

HAZARDOUS DRUG LIST

Background

This list defines drugs that both the National Institute for Occupational Safety and Health (NIOSH) as well as the NIH Clinical Center (based on an internal hazard safety assessment) considers hazardous and require extra safety precautions for handling, preparation, and administration in the health care setting. These precautions may vary with drug formulation/dosage form and route of administration.

NIOSH categorizes hazardous drugs into 3 groups:

| | |
|----------------|---|
| Group 1 | Antineoplastic medications |
| Group 2 | Non-antineoplastic drugs that meet one or more NIOSH criteria for a hazardous drug (<i>Note: some of these drugs may also pose a reproductive risk for susceptible populations</i>) |
| Group 3 | Drugs that primarily pose a reproductive risk to men and women who are actively trying to conceive and women who are pregnant or breastfeeding |

Acronyms

- CSTD = closed system drug-transfer device
- PPE = personal protective equipment

Citation

NIOSH [2016]. NIOSH list of antineoplastic and other hazardous drugs in healthcare settings, 2016. By Connor TH, MacKenzie BA, DeBord DG, Trout DB, O'Callaghan JP. Cincinnati, OH: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication Number 2016-161 (Supersedes 2014-138).

| Generic names | Brand names/Synonyms | Route and Dosage Forms | Formulary Status | NIOSH Group | PPE For Administration |
|----------------------------------|----------------------|--------------------------|------------------|-------------|--|
| abacavir | Ziagen | Oral tablet | F | 2 | Single chemotherapy gloves |
| abacavir | Ziagen | Oral solution | F | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if there is potential for patient vomiting or spitting up |
| abacavir/lamivudine | Epzicom | Oral tablet | F | 2 | Single chemotherapy gloves |
| abacavir/dolutegravir/lamivudine | Triumeq | Oral tablet | F | 2 | Single chemotherapy gloves |
| abacavir/lamivudine/zidovudine | Trizivir | Oral tablet | NF | 2 | Single chemotherapy gloves |
| abiraterone acetate | Zytiga | Oral tablet | NF | 1 | Single chemotherapy gloves |
| acitretin | Soriatane | Oral capsule | NF | 3 | Single chemotherapy gloves |
| ado-trastuzumab emtansine | Kadcyla | Intravenous solution | NF | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| afatinib | Gilotrif | Oral tablet | NF | 1 | Single chemotherapy gloves |
| alitretinoin | Panretin | Topical gel/jelly | NF | 3 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • Respiratory protection if inhalation possible |
| ambrisentan | Letairis | Oral tablet | F | 3 | Single chemotherapy gloves |
| anastrozole | Arimidex | Oral tablet | F | 1 | Single chemotherapy gloves |
| apomorphine | Apokyn | Subcutaneous solution | NF | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| arsenic trioxide | Trisenox | Intravenous solution | NF | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| axitinib | Inlyta | Oral tablet | NF | 1 | Single chemotherapy gloves |
| azaCITIDine | Vidaza | Suspension for injection | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| azaTHIOprine | Imuran; Azasan | Oral tablet | F | 2 | Single chemotherapy gloves |
| azaTHIOprine | N/A | Intravenous solution | NF | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |

| Generic names | Brand names/Synonyms | Route and Dosage Forms | Formulary Status | NIOSH Group | PPE For Administration |
|--|----------------------|--|------------------|-------------|--|
| Bacillus Calmette Guerin (BCG) vaccine | Tice BCG | Percutaneous powder for solution; intravesical powder for suspension | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| belinostat | Beleodaq | Intravenous solution | NF | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| bendamustine | Treanda, Bendeka | Intravenous solution | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| bevacizumab | Avastin | Intravenous solution | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| bexarotene | Targretin | Oral capsule | NF | 1 | Single chemotherapy gloves |
| bexarotene | Targretin | Topical gel/jelly | NF | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • Respiratory protection if inhalation possible |
| bicalutamide | Casodex | Oral tablet | F | 1 | Single chemotherapy gloves |
| bleomycin | Blenoxane | Solution for injection | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| blinatumomab | Blinicyto | Intravenous solution | NF | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| bortezomib | Velcade | Solution for injection | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| bosentan | Tracleer | Oral tablet | F | 3 | Single chemotherapy gloves |
| bosentan | Tracleer | Oral tablet for suspension | NF | 3 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if there is potential for patient vomiting or spitting up |
| bosutinib | Bosulif | Oral tablet | NF | 1 | Single chemotherapy gloves |

| Generic names | Brand names/Synonyms | Route and Dosage Forms | Formulary Status | NIOSH Group | PPE For Administration |
|-----------------------------|-------------------------------------|-------------------------------------|------------------|-------------|--|
| botulinum toxins, all forms | Dysport, Xeomin, Botox, Myobloc | Intramuscular injection | F | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| brentuximab vedotin | Adcetris | Intravenous solution | NF | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| brigatinib | Alunbrig | Oral tablet | NF | N/A | Single chemotherapy gloves |
| busulfan | Myleran | Oral tablet | F | 1 | Single chemotherapy gloves |
| busulfan | Busulfex | Intravenous solution | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| cabazitaxel | Jevtana | Intravenous solution | NF | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| cabergoline | N/A | Oral tablet | F | 3 | Single chemotherapy gloves |
| cabozantinib | Cabometyx; Cometriq | Oral tablet; oral capsule | NF | 1 | Single chemotherapy gloves |
| capecitabine | Xeloda | Oral tablet | F | 1 | Single chemotherapy gloves |
| carBAMazepine | Carbatrol, Equetro, Eptol, Tegretol | Oral tablet; oral capsule | F | 2 | Single chemotherapy gloves |
| carBAMazepine | Tegretol | Oral suspension | F | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if there is potential for patient vomiting or spitting up |
| CARBOplatin | Paraplatin | Intravenous solution | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| carfilzomib | Kyprolis | Intravenous solution | NF | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| carmustine | BiCNU; Gliadel Wafer | Intravenous solution; implant wafer | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| ceritinib | Zykadia | Oral capsule | NF | 1 | <ul style="list-style-type: none"> • Single chemotherapy gloves |

| Generic names | Brand names/Synonyms | Route and Dosage Forms | Formulary Status | NIOSH Group | PPE For Administration |
|-------------------------------------|----------------------|--------------------------------------|------------------|-------------|--|
| cetorelix | Cetrotide | Subcutaneous solution | NF | 3 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| chlorambucil | Leukeran | Oral tablet | F | 1 | Single chemotherapy gloves |
| chloramphenicol | Chloromycetin | Intravenous solution | F | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| chorionic gonadotropin, human | Novarel, Pregnyl | Intramuscular solution for injection | F | 3 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| chorionic gonadotropin, recombinant | Ovidrel | Subcutaneous solution for injection | NF | 3 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| cidofovir | Vistide | Intravenous solution | F | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| CISplatin | N/A | Intravenous solution | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| cladribine | N/A | Intravenous solution | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| cloBAZam | Onfi | Oral tablet | F | 3 | • Single chemotherapy gloves |
| cloBAZam | Onfi | Oral suspension | NF | 3 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if there is potential for patient vomiting or spitting up |
| clofarabine | Clolar | Intravenous solution | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| clomiPHENE | N/A | Oral tablet | F | 3 | Single chemotherapy gloves |
| clonazepam | Klonopin | Oral tablet | F | 3 | Single chemotherapy gloves |
| cobimetinib | Cotellic | Oral tablet | NF | 1 | Single chemotherapy gloves |
| colchicine | Colcrys; Mitigare | Oral tablet; oral capsule | F | 3 | Single chemotherapy gloves |

| Generic names | Brand names/Synonyms | Route and Dosage Forms | Formulary Status | NIOSH Group | PPE For Administration |
|-----------------------------|-----------------------------|---|------------------|-------------|--|
| crizotinib | Xalkori | Oral capsule | NF | 1 | Single chemotherapy gloves |
| cyclophosphamide | N/A | Oral capsule; oral tablet | F | 1 | Single chemotherapy gloves |
| cyclophosphamide | N/A | Intravenous solution | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| cycloSPORINE | Gengraf, Neoral, Sandimmune | Oral capsule | F | 2 | Single chemotherapy gloves |
| cycloSPORINE | Gengraf, Neoral, Sandimmune | Oral solution | F | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if there is potential for patient vomiting or spitting up |
| cycloSPORINE | Sandimmune | Intravenous solution | F | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| cycloSPORINE | Restasis | Ophthalmic emulsion | F | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • Respiratory protection if inhalation possible |
| cytarabine (conventional) | N/A | Injection solution | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| dabrafenib | Tafinlar | Oral capsule | NF | 1 | Single chemotherapy gloves |
| dacarbazine | N/A | Intravenous solution | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| DACTINomycin | Cosmegen | Intravenous solution | NF | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| darbepoetin alfa | Aranesp | Intravenous/subcutaneous solution for injection | F | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| dasatinib | Sprycel | Oral tablet | F | 1 | Single chemotherapy gloves |
| DAUNOrubicin (conventional) | Cerubidine | Intravenous solution | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |

| Generic names | Brand names/Synonyms | Route and Dosage Forms | Formulary Status | NIOSH Group | PPE For Administration |
|-------------------|--|--|------------------|-------------|--|
| decitabine | Dacogen | Intravenous solution | NF | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| deferiprone | Ferriprox | Oral tablet | NF | 2 | Single chemotherapy gloves |
| deferiprone | Ferriprox | Oral solution | NF | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if there is potential for patient vomiting or spitting up |
| degarelix | Firmagon | Subcutaneous solution | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| desflurane | Suprane | Solution for inhalation | NF | N/A | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • Respiratory protection if inhalation possible |
| dexrazoxane | Zinecard | Intravenous solution | F | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| dihydroergotamine | D.H.E. 45 | Solution for injection (IV, IM, SC) | NF | 3 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| dihydroergotamine | Migranal | Nasal spray | NF | 3 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • Respiratory protection if inhalation possible |
| dinoprostone | Cervidil; Prepidil; Prostin E2 | Vaginal insert; vaginal gel/jelly; vaginal suppository | NF | 3 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • Respiratory protection if inhalation possible |
| divalproex | Depakote; Depakote ER; Depakote Sprinkles; Depakote DR | Oral tablet; oral capsule | F | 2 | Single chemotherapy gloves |

| Generic names | Brand names/Synonyms | Route and Dosage Forms | Formulary Status | NIOSH Group | PPE For Administration |
|----------------------------|--|--|------------------|-------------|--|
| DOCEtaxel | Taxotere | Intravenous solution | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| DOXOrubicin (conventional) | Adriamycin | Intravenous solution; | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| DOXOrubicin (liposomal) | Doxil | Intravenous solution | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| dronedarone | Multaq | Oral tablet | F | 3 | Single chemotherapy gloves |
| dutasteride | Avodart | Oral capsule | NF | 3 | Single chemotherapy gloves |
| enasidenib | IDHIFA | Oral tablet | NF | N/A | Single chemotherapy gloves |
| entecavir | Baraclude | Oral tablet | F | 2 | Single chemotherapy gloves |
| entecavir | Baraclude | Oral solution | NF | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if there is potential for patient vomiting or spitting up |
| enzalutamide | Xtandi | Oral capsule | F | 1 | Single chemotherapy gloves |
| epiRUBicin | Ellence | Intravenous solution | NF | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| eriBULin mesylate | Halaven | Intravenous solution | NF | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| erlotinib | Tarceva | Oral tablet | F | 1 | Single chemotherapy gloves |
| eslicarbazepine acetate | Aptiom | Oral tablet | F | 3 | Single chemotherapy gloves |
| estradiol | many branded & generic products such as Estring; EstroGel; Evamist | Oral tablet | F | 2 | Single chemotherapy gloves |
| estradiol | many branded & generic products such as Estring, Vagifem | Vaginal tablet; vaginal cream; vaginal insert ring; transdermal patch; transdermal gel/jelly; topical gel/jelly; transdermal spray | F | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • Respiratory protection if inhalation possible |
| estradiol/norethindrone | CombiPatch | Transdermal patch | F | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown |
| estramustine | Emcyt | Oral capsule | F | 1 | Single chemotherapy gloves |

| Generic names | Brand names/Synonyms | Route and Dosage Forms | Formulary Status | NIOSH Group | PPE For Administration |
|---|---|----------------------------|------------------|-------------|--|
| estrogen; conjugated | Premarin | Oral tablet | F | 2 | Single chemotherapy gloves |
| estrogen; conjugated | Premarin | Vaginal cream | F | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • Respiratory protection if inhalation possible |
| estrogen; conjugated | Premarin | Intravenous solution | F | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| estrogen (esterified) | Menest | Oral tablet | NF | 2 | Single chemotherapy gloves |
| estrogen (conjugated) and medroxyprogesterone | Prempro | Oral tablet | F | 2 | Single chemotherapy gloves |
| estropipate | Ogen .625; Ogen 1.25; Ogen 2.5; Ortho-Est | Oral tablet | NF | 2 | Single chemotherapy gloves |
| ethinyl estradiol/ethynodiol diacetate | Zovia; Kelnor | Oral tablet | F | 2 | Single chemotherapy gloves |
| ethinyl estradiol/levonorgestrel | Enpresse; Jolessa | Oral tablet | F | 2 | Single chemotherapy gloves |
| ethinyl estradiol/norelgestromin | Xulane | Transdermal patch | F | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown |
| ethinyl estradiol/norethindrone | Loestrin FE; Migrogestin FE | Oral tablet | F | 2 | Single chemotherapy gloves |
| ethinyl estradiol/norgestrel | Low-Ogestrel | Oral tablet | F | 2 | Single chemotherapy gloves |
| etonogestrel | Nexplanon | Subcutaneous Implant | F | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| etoposide | N/A | Oral capsule | F | 1 | Single chemotherapy gloves |
| etoposide | Toposar | Intravenous solution | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| etoposide phosphate | Etopophos | Intravenous solution | NF | N/A | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| everolimus | Afinitor; Zortress | Oral tablet | NF | 1 | Single chemotherapy gloves |
| everolimus | Afinitor; Zortress | Oral tablet for suspension | NF | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if there is potential for patient vomiting or spitting up |
| exemestane | Aromasin | Oral tablet | NF | 1 | Single chemotherapy gloves |

| Generic names | Brand names/Synonyms | Route and Dosage Forms | Formulary Status | NIOSH Group | PPE For Administration |
|---------------|----------------------------------|---------------------------------|------------------|-------------|--|
| exenatide | Byetta, Bydureon | Subcutaneous solution | F | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| finasteride | Propecia; Proscar | Oral tablet | NF | 3 | Single chemotherapy gloves |
| fingolimod | Gilenya | Oral capsule | NF | 2 | Single chemotherapy gloves |
| floxuridine | N/A | Solution for injection | NF | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| fluconazole | Diflucan | Oral tablet | F | 3 | Single chemotherapy gloves |
| fluconazole | Diflucan | Oral suspension | F | 3 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if there is potential for patient vomiting or spitting up |
| fluconazole | Diflucan | Intravenous solution | F | 3 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| flucytosine | Ancobon | Oral capsule | F | N/A | Single chemotherapy gloves |
| fludarabine | N/A | Intravenous solution | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| fluorouracil | Adrucil | Intravenous solution | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| fluorouracil | Carac, Efudex, Fluoroplex, Tolak | Topical cream; topical solution | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • Respiratory protection if inhalation possible |
| flutamide | N/A | Oral capsule | F | 1 | Single chemotherapy gloves |
| fosphenytoin | Cerebyx | Injection solution | F | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| fulvestrant | Faslodex | Intramuscular solution | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |

| Generic names | Brand names/Synonyms | Route and Dosage Forms | Formulary Status | NIOSH Group | PPE For Administration |
|-----------------------|----------------------|------------------------|------------------|-------------|--|
| ganciclovir | Cytovene | Intravenous solution | F | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| ganciclovir | Zirgan | Ophthalmic gel/jelly | NF | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • Respiratory protection if inhalation possible |
| ganirelix | N/A | Subcutaneous solution | F | 3 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| gemcitabine | Gemzar | Intravenous solution | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| gemtuzumab ozogamicin | Mylotarg | Intravenous solution | NF | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| goserelin | Zoladex | Subcutaneous implant | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| histrelin | Supprelin LA, Vantas | Subcutaneous implant | NF | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| hydroxyurea | Droxia; Hydrea | Oral capsule | F | 1 | Single chemotherapy gloves |
| icatibant | Firazyr | Subcutaneous solution | NF | 3 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| IDArubicin | Idamycin PFS | Intravenous solution | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| ifosfamide | Ifex | Intravenous solution | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |

| Generic names | Brand names/Synonyms | Route and Dosage Forms | Formulary Status | NIOSH Group | PPE For Administration |
|---------------------------|---|---|------------------|-------------|--|
| imatinib | Gleevec | Oral tablet | F | 1 | Single chemotherapy gloves |
| inotuzumab ozogamicin | Besponsa | Intravenous solution | NF | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| interferon beta-1b | Betaseron, Extavia | Subcutaneous injection | NF | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| irinotecan (conventional) | Camptosar | Intravenous solution | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| irinotecan (liposomal) | Onivyde | Intravenous solution | NF | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| isoflurane | Forane, Terrell | Solution for inhalation | NF | N/A | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • Respiratory protection if inhalation possible |
| ISOtretinoin | Absorica, Amnesteem, Claravis, Myorisan, Zenatane | Oral capsule | F | 3 | Single chemotherapy gloves |
| ivabradine | Corlanor | Oral tablet | F | 3 | Single chemotherapy gloves |
| ixabepilone | Ixempra Kit | Intravenous solution | NF | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| ixazomib | Ninlaro | Oral capsule | NF | 1 | Single chemotherapy gloves |
| lapatinib | Tykerb | Oral tablet | NF | N/A | Single chemotherapy gloves |
| leflunomide | Arava | Oral tablet | F | 2 | Single chemotherapy gloves |
| lenalidomide | Revlimid | Oral capsule | F | 2 | Single chemotherapy gloves |
| lenvatinib | Lenvima | Oral capsule | NF | 1 | Single chemotherapy gloves |
| letrozole | Femara | Oral tablet | F | 1 | Single chemotherapy gloves |
| leuprolide | Lupron, Lupron Depot | Subcutaneous suspension; intramuscular suspension | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| levonorgestrel | Aftera, EContra, Plan B | Oral tablet | F | 2 | Single chemotherapy gloves |
| levonorgestrel | Mirena | Intrauterine device | F | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown |

| Generic names | Brand names/Synonyms | Route and Dosage Forms | Formulary Status | NIOSH Group | PPE For Administration |
|---------------------|----------------------|--------------------------|------------------|-------------|--|
| lomitapide | Juxtapid | Oral capsule | NF | 3 | Single chemotherapy gloves |
| lomustine | Gleostine | Oral capsule | NF | 1 | Single chemotherapy gloves |
| macitentan | Opsumit | Oral tablet | NF | 3 | Single chemotherapy gloves |
| mechlorethamine | Mustargen | Intravenous solution | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| mechlorethamine | Valchlor | Topical gel | NF | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • Respiratory protection if inhalation possible |
| medroxyPROGESTERone | Provera | Oral tablet | F | 2 | Single chemotherapy gloves |
| medroxyPROGESTERone | Depo-Provera | Intramuscular suspension | F | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| megestrol | Megace | Oral tablet | F | 1 | Single chemotherapy gloves |
| megestrol | Megace | Oral suspension | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if there is potential for patient vomiting or spitting up |
| melphalan | Alkeran | Oral tablet | F | 1 | Single chemotherapy gloves |
| melphalan | Alkeran; Evomela | Intravenous solution | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| menotropins | Menopur | Subcutaneous solution | F | 3 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| mercaptopurine | Purinethol | Oral tablet | F | 1 | Single chemotherapy gloves |
| mercaptopurine | Purixan | Oral suspension | NF | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if there is potential for patient vomiting or spitting up |
| methIMAzole | Tapazole | Oral tablet | F | 2 | Single chemotherapy gloves |
| methotrexate | Trexall | Oral tablet | F | 1 | Single chemotherapy gloves |
| methotrexate | Xatmep | Oral solution | NF | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if there is potential for patient vomiting or spitting up |

| Generic names | Brand names/Synonyms | Route and Dosage Forms | Formulary Status | NIOSH Group | PPE For Administration |
|-----------------------|----------------------|---------------------------|------------------|-------------|--|
| methotrexate | N/A | Solution for injection | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| methotrexate | Otrexup, Rasuvo | Subcutaneous solution | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| methoxsalen | Oxsoalen Ultra | Oral capsule | NF | N/A | Single chemotherapy gloves |
| methoxsalen | Uvadex | Solution for injection | F | N/A | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible |
| methylergonovine | Methergine | Oral tablet | F | 3 | Single chemotherapy gloves |
| methylergonovine | N/A | Solution for injection | F | 3 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| methyI TESTOSTERone | Methitest | Oral tablet; oral capsule | NF | 3 | Single chemotherapy gloves |
| midostaurin | Rydapt | Oral capsule | F | N/A | Single chemotherapy gloves |
| miFEPRIStone | Korlym; Mifeprex | Oral tablet | NF | 3 | Single chemotherapy gloves |
| Miltefosine | Impavido | Oral capsule | NF | 3 | Single chemotherapy gloves |
| mipomersen | Kynamro | Subcutaneous solution | NF | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| miSOPROStol | Cytotec | Oral tablet | NF | 3 | Single chemotherapy gloves |
| mitoMYcin | Mutamycin | Intravenous solution | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| mitotane | Lysodren | Oral tablet | F | 1 | Single chemotherapy gloves |
| mitoXANTRONE | N/A | Intravenous solution | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| mycophenolate mofetil | CellCept | Oral tablet; oral capsule | F | 2 | Single chemotherapy gloves |
| mycophenolate mofetil | CellCept | Oral suspension | F | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if there is potential for patient vomiting or spitting up |

| Generic names | Brand names/Synonyms | Route and Dosage Forms | Formulary Status | NIOSH Group | PPE For Administration |
|-----------------------|------------------------|---------------------------|------------------|-------------|--|
| mycophenolate mofetil | CellCept | Intravenous solution | F | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| mycophenolic acid | Myfortic | Oral tablet | NF | 2 | Single chemotherapy gloves |
| nafarelin | Synarel | Nasal spray | NF | 3 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • Respiratory protection if inhalation possible |
| nelarabine | Arranon | Intravenous solution | NF | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| nevirapine | Viramune | Oral tablet | F | 2 | Single chemotherapy gloves |
| nevirapine | Viramune | Oral suspension | F | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if there is potential for patient vomiting or spitting up |
| nilotinib | Tasigna | Oral capsule | F | 1 | Single chemotherapy gloves |
| norethindrone | Camila; Ortho Micronor | Oral tablet | F | 2 | Single chemotherapy gloves |
| olaparib | Lynparza | Oral capsule; oral tablet | NF | 1 | Single chemotherapy gloves |
| omacetaxine | Synribo | Subcutaneous solution | NF | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| osimertinib | Tagrisso | Oral tablet | NF | 1 | Single chemotherapy gloves |
| ospemifene | Osphena | Oral tablet | NF | 2 | Single chemotherapy gloves |
| oxaliplatin | N/A | Intravenous solution | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| OXcarbazepine | Trileptal | Oral tablet | F | 2 | Single chemotherapy gloves |
| OXcarbazepine | Trileptal | Oral suspension | NF | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if there is potential for patient vomiting or spitting up |
| oxytocin | Pitocin | Solution for injection | F | 3 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |

| Generic names | Brand names/Synonyms | Route and Dosage Forms | Formulary Status | NIOSH Group | PPE For Administration |
|-----------------------------|---------------------------------------|---|------------------|-------------|---|
| PACLitaxel (conventional) | N/A | Intravenous solution | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| PACLitaxel (protein bound) | Abraxane | Intravenous solution | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| palifermin | Kepivance | Intravenous solution | F | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| pamidronate | N/A | Intravenous solution | F | 3 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| panobinostat | Farydak | Oral capsule | NF | 1 | Single chemotherapy gloves |
| PARoxetine | Brisdelle; Paxil; Paxil CR; Pexeva | Oral tablet; oral capsule | F | 3 | Single chemotherapy gloves |
| PARoxetine | Paxil | Oral suspension | NF | 3 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if there is potential for patient vomiting or spitting up |
| pasireotide | Signifor; Signifor LAR | Intramuscular suspension; subcutaneous solution | NF | 3 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| PAZOPanib | Votrient | Oral tablet | NF | 1 | Single chemotherapy gloves |
| PEMEtrexed | Alimta | Intravenous solution | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| pentamidine | Pentam | Solution for injection; solution for inhalation | F | N/A | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required (if intravenous) • Respiratory protection (if inhalation) |
| pentetate calcium trisodium | diethylene triamine penta-acetic acid | Intravenous solution | NF | 3 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |

| Generic names | Brand names/Synonyms | Route and Dosage Forms | Formulary Status | NIOSH Group | PPE For Administration |
|------------------|-----------------------------|---------------------------|------------------|-------------|--|
| pentostatin | Nipent | Intravenous solution | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| pertuzumab | Perjeta | Intravenous solution | NF | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| phenoxybenzamine | Dibenzyline | Oral capsule | F | 2 | Single chemotherapy gloves |
| phenytoin | Dilantin; Dilantin Infatabs | Oral tablet, oral capsule | F | 2 | Single chemotherapy gloves |
| phenytoin | Dilantin | Oral suspension | F | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if there is potential for patient vomiting or spitting up |
| phenytoin | N/A | Injection solution | F | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| plerixafor | Mozobil | Subcutaneous solution | F | 3 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| pomalidomide | Pomalyst | Oral capsule | NF | 1 | Single chemotherapy gloves |
| PONATinib | Iclusig | Oral tablet | NF | 1 | Single chemotherapy gloves |
| porfimer | Photofrin | Intravenous solution | NF | N/A | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| PRALAtrexate | Folotyn | Intravenous solution | NF | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| procarbazine | Matulane | Oral capsule | NF | 1 | Single chemotherapy gloves |
| progesterone | Prometrium | Oral capsule | F | 2 | Single chemotherapy gloves |
| progesterone | N/A | Intramuscular oil | F | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |

| Generic names | Brand names/Synonyms | Route and Dosage Forms | Formulary Status | NIOSH Group | PPE For Administration |
|------------------|-------------------------------|-----------------------------|------------------|-------------|--|
| progesterone | Crinone; Endometrin | Vaginal gel; vaginal insert | NF | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • Respiratory protection if inhalation possible |
| propylthiouracil | N/A | Oral tablet | F | 2 | Single chemotherapy gloves |
| raloxifene | Evista | Oral tablet | NF | 2 | Single chemotherapy gloves |
| rasagiline | Azilect | Oral tablet | F | 2 | Single chemotherapy gloves |
| regorafenib | Stivarga | Oral tablet | NF | 1 | Single chemotherapy gloves |
| ribavirin | Rebetol; Ribasphere, Moderiba | Oral capsule, oral tablet | F | 3 | Single chemotherapy gloves |
| ribavirin | Virazole | Solution for inhalation | F | 3 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • Respiratory protection if inhalation possible |
| riociguat | Adempas | Oral tablet | NF | 3 | Single chemotherapy gloves |
| romiDEPsin | Istodax | Intravenous solution | NF | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| sevoflurane | Ultane | Solution for inhalation | F | N/A | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • Respiratory protection if inhalation possible |
| sirolimus | Rapamune | Oral tablet | F | 2 | Single chemotherapy gloves |
| sirolimus | Rapamune | Oral solution | F | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if there is potential for patient vomiting or spitting up |
| sonidegib | Odomzo | Oral capsule | NF | 1 | Single chemotherapy gloves |
| SORafenib | Nexavar | Oral tablet | F | 1 | Single chemotherapy gloves |
| spironolactone | Aldactone | Oral tablet | F | 2 | Single chemotherapy gloves |
| spironolactone | CaroSpir | Oral suspension | NF | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if there is potential for patient vomiting or spitting up |
| streptozocin | Zanosar | Intravenous solution | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |

| Generic names | Brand names/Synonyms | Route and Dosage Forms | Formulary Status | NIOSH Group | PPE For Administration |
|---------------|--------------------------|-------------------------|------------------|-------------|--|
| SUNItinib | Sutent | Oral capsule | F | 1 | Single chemotherapy gloves |
| tacrolimus | Prograf | Oral capsule | F | 2 | Single chemotherapy gloves |
| tacrolimus | Prograf | Intravenous solution | F | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| tacrolimus | Protopic | Topical ointment | F | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • Respiratory protection if inhalation possible |
| tamoxifen | N/A | Oral tablet | F | 1 | Single chemotherapy gloves |
| tamoxifen | Soltamox | Oral solution | NF | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if there is potential for patient vomiting or spitting up |
| temazepam | Restoril | Oral capsule | F | 3 | Single chemotherapy gloves |
| temozolomide | Temodar | Oral capsule | F | 1 | Single chemotherapy gloves |
| temozolomide | Temodar | Intravenous solution | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| temsirolimus | Torisel | Intravenous solution | NF | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| teniposide | N/A | Intravenous solution | NF | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| teriflunomide | Aubagio | Oral tablet | NF | 2 | Single chemotherapy gloves |
| testosterone | Striant | Buccal film | NF | 3 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown |
| testosterone | Aveed; Depo-Testosterone | Intramuscular injection | F | 3 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| testosterone | Natesto | Nasal gel | NF | 3 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • Respiratory protection if inhalation possible |

| Generic names | Brand names/Synonyms | Route and Dosage Forms | Formulary Status | NIOSH Group | PPE For Administration |
|---------------|--|----------------------------|------------------|-------------|--|
| testosterone | AndroGel; AndroGel Pump; Testim; Fortesta; Vogelxo | Topical gel | F | 3 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • Respiratory protection if inhalation possible |
| testosterone | Androderm | Transdermal patch | F | 3 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown |
| testosterone | Testopel | Subcutaneous implant | NF | 3 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| thalidomide | Thalomid | Oral capsule | F | 2 | Single chemotherapy gloves |
| thioguanine | Tabloid | Oral tablet | F | 1 | Single chemotherapy gloves |
| thiotepa | Tepadina | Solution for injection | NF | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| tofacitinib | Xeljanz; Xeljanz XR | Oral tablet | F | 2 | Single chemotherapy gloves |
| topiramate | Qudexy XR; Topamax; Topamax Sprinkle; Trokendi XR | Oral tablet; oral capsule | F | 3 | Single chemotherapy gloves |
| topotecan | Hycamtin | Oral capsule | NF | 1 | Single chemotherapy gloves |
| topotecan | Hycamtin | Intravenous solution | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| toremifene | Fareston | Oral tablet | NF | 1 | Single chemotherapy gloves |
| trabectedin | Yondelis | Intravenous solution | NF | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| trametinib | Mekinist | Oral tablet | NF | 1 | Single chemotherapy gloves |
| trastuzumab | Herceptin | Intravenous solution | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| tretinoin | N/A | Oral capsule | F | 3 | Single chemotherapy gloves |
| tretinoin | Retin-A, Avita, Refissa, Renova | Topical cream; topical gel | F | 3 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • Respiratory protection if inhalation possible |

| Generic names | Brand names/Synonyms | Route and Dosage Forms | Formulary Status | NIOSH Group | PPE For Administration |
|----------------------------------|--|---------------------------|------------------|-------------|--|
| triazolam | Halcion | Oral tablet | F | 3 | Single chemotherapy gloves |
| trifluridine + tipiracil | Lonsurf | Oral tablet | NF | 1 | Single chemotherapy gloves |
| triptorelin | Trelstar Mixject; Triptodur | Intramuscular suspension | NF | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| ulipristal acetate | Ella | Oral tablet | NF | 3 | Single chemotherapy gloves |
| urofollitropin | Bravelle | Solution for injection | NF | 3 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| valGANCiclovir | Valcyte | Oral tablet | F | 2 | Single chemotherapy gloves |
| valGANCiclovir | Valcyte | Oral solution | F | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if there is potential for patient vomiting or spitting up |
| valproate sodium / valproic acid | Depakene; Depakote; Depakote Sprinkles | Oral capsule, oral tablet | F | 3 | Single chemotherapy gloves |
| valproate sodium / valproic acid | Depakene | Oral solution | F | 3 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if there is potential for patient vomiting or spitting up |
| valproate sodium / valproic acid | Depacon | Intravenous solution | F | 3 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| valrubicin | Valstar | Intravesical solution | NF | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| vandetanib | Caprelsa | Oral tablet | NF | 1 | Single chemotherapy gloves |
| vemurafenib | Zelboraf | Oral tablet | NF | 1 | Single chemotherapy gloves |
| venetoclax | Venclexta | Oral tablet | F | 1 | Single chemotherapy gloves |
| verteporfin | Visudyne | Intravenous solution | F | N/A | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| vigabatrin | Sabril | Oral tablet | NF | 3 | Single chemotherapy gloves |

| Generic names | Brand names/Synonyms | Route and Dosage Forms | Formulary Status | NIOSH Group | PPE For Administration |
|---------------|----------------------|---------------------------|------------------|-------------|--|
| vigabatrin | Sabril; Vigadrone | Oral solution | NF | 3 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if there is potential for patient vomiting or spitting up |
| vinBLAStine | N/A | Intravenous solution | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| vinCRISStine | Vincasar PFS | Intravenous solution | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| vinorelbine | Navelbine | Intravenous solution | F | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| vismodegib | Erivedge | Oral capsule | NF | 1 | Single chemotherapy gloves |
| voriconazole | Vfend | Oral tablet | F | 3 | Single chemotherapy gloves |
| voriconazole | Vfend | Oral suspension | F | 3 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if there is potential for patient vomiting or spitting up |
| voriconazole | Vfend IV | Intravenous solution | F | 3 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| vorinostat | Zolinza | Oral capsule | NF | 1 | Single chemotherapy gloves |
| warfarin | Coumadin; Jantoven | Oral tablet | F | 3 | Single chemotherapy gloves |
| zidovudine | Retrovir | Oral tablet; oral capsule | F | 2 | Single chemotherapy gloves |
| zidovudine | Retrovir | Oral syrup | F | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if there is potential for patient vomiting or spitting up |
| zidovudine | Retrovir | Intravenous solution | F | 2 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| ziprasidone | Geodon | Oral capsule | F | 3 | Single chemotherapy gloves |
| ziprasidone | Geodon | Intramuscular injection | NF | 3 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |

| Generic names | Brand names/Synonyms | Route and Dosage Forms | Formulary Status | NIOSH Group | PPE For Administration |
|-----------------|----------------------|------------------------|------------------|-------------|--|
| ziv-aflibercept | Zaltrap | Intravenous solution | NF | 1 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| zoledronic acid | Reclast; Zometa | Intravenous solution | F | 3 | <ul style="list-style-type: none"> • Double chemotherapy gloves • Protective gown • Eye/face protection if splash possible • CSTD required |
| zonisamide | Zonegran | Oral capsule | F | 3 | Single chemotherapy gloves |