

Anti Cancer - Antineoplastic Drugs - Overview

A. Drugs acting directly on cells (Cytotoxic drugs)

1. Alkylating agents Mechlorethamine (Mustine HCl)

Nitrogen mustards Cyclophosphamide, Ifosfamide,
Chlorambucil, Melphalan.

Ethylenimine Thio-TEPA

Alkyl sulfonate Busulfan

Nitrosoureas Carmustine (BCNU),

Lomustine (CCNU),

Triazine Dacarbazine (DTIC)

2. Antimetabolites

Folate antagonist Methotrexate (Mtx)

Purine 6-Mercaptopurine (6-MP),

antagonist 6-Thioguanine (6-TG),

Azathioprine, Fludarabine

Pyrimidine 5-Fluorouracil (5-FU), Cytarabine

antagonist (cytosine arabinoside)

3. Vinca alkaloids

Vincristine (Oncovin), Vinblastine

4. Taxanes

Paclitaxel, Docetaxel

5. Epipodophyllo Etoposide Toxin

6. Camptothecin Topotecan, Irinotecan Analogues

7. Antibiotics

Actinomycin D (Dactinomycin)

Doxorubicin, Daunorubicin

(Rubidomycin), Mitoxantrone

Bleomycins, Mitomycin C

8. Miscellaneous

Hydroxyurea, Procarbazine,

L-Asparaginase, Cisplatin,

Carboplatin, Imatinib

B. Drugs altering hormonal milieu

1. Glucocorticoids Prednisolone and others
2. Estrogens Fosfestrol, Ethinylestradiol
3. Selective estrogen Tamoxifen, Toremifene
receptor modulators
4. Selective estrogen Fulvestrant

receptor down regulator

5. Aromatase inhibitors Letrozole, Anastrozole, Exemestane

6. Antiandrogen Flutamide, Bicalutamide

7. 5- α reductase Finasteride, Dutasteride inhibitors

8. GnRH analogues Naferelin, Triptorelin

9. Progestins Hydroxyprogesterone caproate, etc.

Miscellaneous Drugs

Immunosuppressants

1. Calcineurin inhibitors (Specific T-cell inhibitors)

Cyclosporine (Ciclosporin), Tacrolimus

2. Antiproliferative drugs (Cytotoxic drugs)

Azathioprine, Cyclophosphamide, Methotrexate, Chlorambucil, Mycophenolate mofetil (MMF), Sirolimus

3. Glucocorticoids

Prednisolone and others

4. Antibodies

Muromonab CD3, Antithymocyte globulin (ATG), Rho(D) immunoglobulin