

# Fluorinated Pharmaceuticals

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<b>Florinef</b> (Fludrocortisone)  ENDOCRINE SYSTEM Approved 1955	<b>Halotestin</b> (Fluoxymesterone)  GENITO-URINARY & SEX HORMONES Approved 1956	<b>Halothane</b> (Halothane)  NERVOUS SYSTEM Approved 1956	<b>Aristocort</b> (Triamcinolone)  RES/ALIM/END/RES/SEN Approved 1957*	<b>Decadron</b> (Dexamethasone)  END/ALIM/RES/SEN/SEN/CAR Approved 1957	<b>Permittil</b> (Fluphenazine)  NERVOUS SYSTEM Approved 1959	<b>Stelazine</b> (Trifluoperazine)  NERVOUS SYSTEM Approved 1959	<b>Methoxyflurane</b> (Methoxyflurane)  NERVOUS SYSTEM Approved 1960	<b>Fluorouracil</b> (Fluorouracil)  ONCOLOGICAL Approved 1962	<b>Synalar</b> (Fluocinolone Acetonide)  CANCER Approved 1963*	<b>Enflurane</b> (Enflurane)  NERVOUS SYSTEM Approved 1966	<b>Locorten</b> (Flumethasone Phalate)  CANCER Approved 1966*	<b>Haldol</b> (Haloperidol)  NERVOUS SYSTEM Approved 1967	<b>Floxapen</b> (Fluocloxacillin)  ANTI-INFECTION Approved 1970	<b>Inapsine</b> (Droperidol)  NERVOUS SYSTEM Approved 1970	<b>Dalmane</b> (Flurazepam)  NERVOUS SYSTEM Approved 1970	<b>Bethamethasone</b> (Bethamethasone)  CAR/ALIM/RES/END/SEN Approved 1970*
<b>Ancobon</b> (Flucytosine)  ANTI-FUNG Approved 1971*	<b>Lidex</b> (Fluocinonide)  DERMATOLOGY Approved 1971*	<b>FML</b> (Fluorometholone)  DERM/CANCER Approved 1972	<b>Cloderm</b> (Clocortolone)  DERMATOLOGICAL Approved 1972	<b>Topical</b> (Desovimetasone)  DERMATOLOGICAL Approved 1977	<b>Flonase</b> (Fluticasone)  DERMATOLOGICAL Approved 1977	<b>Fluoxetine</b> (Fluoxetine)  NERVOUS SYSTEM Approved 1977	<b>Clinoril</b> (Sulindac)  MUSCULO-SKELETAL SYSTEM Approved 1978	<b>Cyclocort</b> (Amcinonide)  DERMATOLOGICAL Approved 1979	<b>Forane</b> (Isoflurane)  NERVOUS SYSTEM Approved 1979	<b>Viroptic</b> (Trifluridine)  SENSORY ORGANS Approved 1980	<b>Paxipam</b> (Halazepam)  NERVOUS SYSTEM Approved 1981	<b>Dolobid</b> (Diflunisal)  NERVOUS SYSTEM Approved 1982	<b>Hydroflumethiazide</b> (Hydroflumethiazide)  CARDIOVASCULAR SYSTEM Approved 1983	<b>Trifluopromazine</b> (Trifluopromazine)  NERVOUS SYSTEM Approved 1983	<b>Lotrisone</b> (Beklamethasone Dipropionate & Clotrimazole)  DERMATOLOGICAL Approved 1984	<b>Aerobid</b> (Fluticasone)  RESPIRATORY SYSTEM Approved 1984
<b>Orap</b> (Pimozide)  NERVOUS SYSTEM Approved 1984	<b>Temovate</b> (Clobetasol)  DERMATOLOGICAL Approved 1985	<b>Tambacor</b> (Flacainide)  CARDIOVASCULAR SYSTEM Approved 1985	<b>Versed</b> (Midazolam)  NERVOUS SYSTEM Approved 1985	<b>Mykacet</b> (Nystatin & Triamcinolone Acetonide)  DERMATOLOGICAL Approved 1985	<b>Pefloxacin</b> (Pefloxacin)  ANTI-INFECTION Approved 1985	<b>Progabide</b> (Progabide)  NERVOUS SYSTEM Approved 1985	<b>Noroxin</b> (Norfloxacin)  ANTI-FUNG Approved 1986*	<b>Blephamide S.O.P.</b> (Proxironic Acetate & Sulfacetamide)  SENSORY ORGANS Approved 1986	<b>Cipro</b> (Ciprofloxacin)  ANTI-FUNG/RES Approved 1987*	<b>Astemizole</b> (Astemizole)  RESPIRATORY SYSTEM Approved 1988	<b>Tobradex</b> (Dexamethasone & Tobramycin)  SENSORY ORGANS Approved 1988	<b>Ansaicl</b> (Furibiprofen)  PAIN/RES Approved 1988*	<b>Tobraflex</b> (Fluorometholone Acetate & Tobramycin)  SENSORY ORGANS Approved 1989	<b>Eulexin</b> (Flutamide)  ENDOCRINE Approved 1989*	<b>Diflucan</b> (Fluconazole)  ANTI-FUNG Approved 1990*	<b>Floxin</b> (Ofloxacin)  ANTI-FUNG/RES Approved 1990*
<b>Fenfluramine</b> (Fenfluramine)  ALIMENTARY TRACT & METABOLISM Approved 1995	<b>Penetrex</b> (Enoxacin)  ANTI-INFECTION Approved 1991	<b>Orfadin</b> (Nifedipine)  ALIMENTARY TRACT & METABOLISM Approved 1991	<b>Suprane</b> (Desflurane)  NERVOUS SYSTEM Approved 1992	<b>Maxaquin</b> (Lomefloxacin)  ANTI-FUNG Approved 1992*	<b>Paroxetine</b> (Paroxetine)  NERVOUS SYSTEM Approved 1992	<b>Propulsid</b> (Cisapride)  ALIMENTARY TRACT & METABOLISM Approved 1992	<b>Risperidone</b> (Risperidone)  NERVOUS SYSTEM Approved 1993	<b>Lescol</b> (Fluvastatin)  CARDIOVASCULAR Approved 1993*	<b>Levostin</b> (Levocetastine)  SINUS Approved 1993*	<b>Luvox</b> (Fluvoxamine)  NERVOUS SYSTEM Approved 1994	<b>Prevacid</b> (Lansoprazole)  ALIMENTARY TRACT & METABOLISM Approved 1995	<b>Rilutek</b> (Riluzole)  NERVOUS SYSTEM Approved 1995	<b>Ultane</b> (Sevoflurane)  NERVOUS SYSTEM Approved 1995	<b>Casodex</b> (Bicalutamide)  ONCO/END Approved 1995*	<b>Flovent</b> (Fluticasone Propionate)  RES/RES Approved 1996*	<b>Nilandron</b> (Nilutamide)  ENDOCRINE SYSTEM Approved 1996
<b>Lipitor</b> (Atorvastatin)  CARDIOVASCULAR Approved 1996*	<b>Redux</b> (Desflurane)  END/ALIM Approved 1996*	<b>Gemzar</b> (Gemcitabine)  ONCO/END Approved 1996*	<b>Levaquin</b> (Levofloxacin)  ANTI-FUNG Approved 1996*	<b>Zagax</b> (Sparfloxacin)  ANTI-FUNG Approved 1996*	<b>Prevacid</b> (Lansoprazole, Cimetidine & Lansoprazole)  ALIMENTARY TRACT & METABOLISM Approved 1997	<b>Raxar</b> (Grepafloxacin)  RES/END Approved 1997*	<b>Posicor</b> (Mibefradil)  ENDOCRINE SYSTEM Approved 1997	<b>Trovan</b> (Trovanoxacin)  ANTI-INFECTION Approved 1997	<b>Baycol</b> (Cerivastatin)  END/CARDIOVASCULAR Approved 1997*	<b>Sustiva</b> (Efavirenz)  ANTI-INFECTION Approved 1998	<b>Xeloda</b> (Capecitabine)  ENDOCRINE SYSTEM Approved 1998	<b>Celebrex</b> (Celecoxib)  MUSCULO-SKELETAL SYSTEM Approved 1998	<b>CeleXA</b> (Citalopram)  NERVOUS SYSTEM Approved 1998	<b>Tequin</b> (Gatifloxacin)  RES/SEN/AIN Approved 1999*	<b>Avelox</b> (Moxifloxacin)  ANTI-FUNG Approved 1999*	<b>Advair HFA</b> (Fluticasone & Salmeterol)  RESPIRATORY SYSTEM Approved 2000
<b>Zyvox</b> (Linezolid)  ANTI-INFECTION Approved 2000	<b>Protonix</b> (Pantoprazole)  ALIMENTARY TRACT & METABOLISM Approved 2000	<b>Avodart</b> (Dutasteride)  GENITO-URINARY & SEX HORMONES Approved 2001	<b>Travatan</b> (Travoprost)  SENSORY ORGANS Approved 2001	<b>Lexapro</b> (Escitalopram)  NERVOUS SYSTEM Approved 2002	<b>Tri-Luma</b> (Fluocortidone Acetate, Hydroquinone & Triamcinolone)  DERMATOLOGICAL Approved 2002	<b>Vlend</b> (Voriconazole)  ANTI-INFECTION Approved 2002	<b>Zetia</b> (Ezetimibe)  CARDIOVASCULAR Approved 2002	<b>Faslodex</b> (Oestradiol, 5-Fluorouracil & Leucovorin)  ONCO/END Approved 2002*	<b>Eloxatin</b> (Oxaliplatin, 5-Fluorouracil & Leucovorin)  ONCO/ALIM Approved 2002*	<b>Emtriva</b> (Emtricitabine)  ANTI-INFECTION Approved 2003	<b>Ciprodex</b> (Ciprofloxacin & Dexamethasone)  SENSORY ORGANS Approved 2003	<b>Symbyax</b> (Fluoxetine & Olanzapine)  NERVOUS SYSTEM Approved 2003	<b>Factive</b> (Gemfibrozil)  ANTI-INFECTION Approved 2003	<b>Prevacid Naprapac</b> (Lansoprazole & Naproxen)  ALIMENTARY TRACT & METABOLISM Approved 2003	<b>Emend</b> (Aprepitant)  ALIM/ONCO Approved 2003*	<b>Iressa</b> (Gefitinib)  ONCO/RES Approved 2003*
<b>Crestor</b> (Rosuvastatin)  CARDIOVASCULAR Approved 2003*	<b>Caduet</b> (Amlodipine & Atorvastatin)  BLOOD & BLOOD FORMING ORGANS Approved 2004	<b>Vytorin</b> (Ezetimibe & Simvastatin)  BLOOD & BLOOD FORMING ORGANS Approved 2004	<b>Sensipar</b> (Cinacalcet)  ONCO/END Approved 2004*	<b>Nexavar</b> (Sorafenib)  ALIMENTARY TRACT & METABOLISM Approved 2005	<b>Aplivis</b> (Tiriparavi)  ANTI-INFECTION Approved 2005	<b>Taclonex</b> (Beklamethasone Dipropionate & Calcipotriene)  DERMATOLOGICAL Approved 2006	<b>Amitiza</b> (Lubiprostone)  ALIMENTARY TRACT & METABOLISM Approved 2006	<b>Invega</b> (Paliperidone)  NERVOUS SYSTEM Approved 2006	<b>Januvia</b> (Sitagliptin)  ENDOCRINE SYSTEM Approved 2006	<b>Sutent</b> (Sunitinib)  ONCO/END/ALIM Approved 2006*	<b>Combigan</b> (Brimonidine & Timolol)  SENSORY ORGANS Approved 2007	<b>Tykerb</b> (Lapatinib)  ONCOLOGICAL Approved 2007	<b>Selzentry</b> (Maraviroc)  ANTI-INFECTION Approved 2007	<b>Janumet</b> (Metformin & Sitagliptin)  ALIMENTARY TRACT & METABOLISM Approved 2007	<b>Isentress</b> (Raltegravir)  ANTI-INFECTION Approved 2007	<b>Banzel</b> (Rufinamide)  NERVOUS SYSTEM Approved 2008
<b>Durezol</b> (Difluprednate)  NER/RES Approved 2008*	<b>Besivance</b> (Besifloxacin)  ANTI-INFECTION Approved 2009	<b>Fanapt</b> (Ezogabine)  NERVOUS SYSTEM Approved 2009	<b>Livalo</b> (Pravastatin)  CARDIOVASCULAR SYSTEM Approved 2009	<b>Eftent</b> (Prasugrel)  CARDIOVASCULAR Approved 2009*	<b>Jalyn</b> (Dutasteride & Tamoxifen)  GENITO-URINARY & SEX HORMONES Approved 2010	<b>Potiga</b> (Ezogabine)  NERVOUS SYSTEM Approved 2011	<b>Daliresp</b> (Dasipipridol)  RESPIRATORY SYSTEM Approved 2011	<b>Juvisync</b> (Sitagliptin & Simvastatin)  ENDOCRINE SYSTEM Approved 2011	<b>Brilinta</b> (Ticagrelor)  CARDIOVASCULAR SYSTEM Approved 2011	<b>Vandetanib</b> (Vandetanib)  ONCOLOGICAL Approved 2011	<b>Xalkori</b> (Crizotinib)  ONCO/RES Approved 2011*	<b>Zelboraf</b> (Vemurafenib)  ONCO/DER Approved 2011*	<b>Dymista</b> (Azelastine & Fluticasone)  RESPIRATORY SYSTEM Approved 2012	<b>Juxtapid</b> (Lomitapide)  CARDIOVASCULAR SYSTEM Approved 2012	<b>Stivarga</b> (Regorafenib)  ONCO/ALIM Approved 2012*	<b>Ziotan</b> (Tafamterol)  SENSORY ORGANS Approved 2012
<b>Aubagio</b> (Teriflunomide)  MUSCULO-SKELETAL SYSTEM Approved 2012	<b>Cometriq</b> (Cabozantinib)  ONCO/END Approved 2012*	<b>Xtandi</b> (Enzalutamide)  ALIM/ONCO/GUS Approved 2012*	<b>Iclusig</b> (Ponatinib)  ONCO/RES Approved 2012*	<b>CAPOX</b> (Capecitabine & Oxaliplatin)  ONCOLOGICAL Not Approved	<b>CMF</b> (Cyclophosphamide, Methotrexate & Fluorouracil)  ONCOLOGICAL Not Approved	<b>FOLFIRI</b> (Leucovorin, Fluorouracil, Irinotecan & Oxaliplatin)  ONCOLOGICAL Not Approved	<b>FOLFIRI-Bevacizumab</b> (Leucovorin, Fluorouracil, Irinotecan & Bevacizumab)  ONCOLOGICAL Not Approved	<b>FOLFIRI-Celastrol</b> (Leucovorin, Fluorouracil, Irinotecan & Celastrol)  ONCOLOGICAL Not Approved	<b>FOLFIRINOX</b> (Leucovorin, Fluorouracil, Irinotecan & Oxaliplatin)  ONCOLOGICAL Not Approved	<b>FU-LV</b> (Fluorouracil & Leucovorin)  ONCOLOGICAL Not Approved	<b>Gemcitabine-Cisplatin</b> (Gemcitabine & Cisplatin)  ONCOLOGICAL Not Approved					

CATEGORY ABBREVIATIONS	
ALM	ALIMENTARY TRACT & METABOLISM
AIN	ANTI-INFECTION
FBD	BLOOD & BLOOD FORMING ORGANS
CAV	CARDIOVASCULAR SYSTEM
DER	DERMATOLOGICAL
END	ENDOCRINE SYSTEM
GUS	GENITO-URINARY & SEX HORMONES
MSK	MUSCULO-SKELETAL SYSTEM
NER	NERVOUS SYSTEM
ONCO	ONCOLOGICAL
RES	RESPIRATORY SYSTEM
SEN	SENSORY ORGANS

All drugs are considered FDA approved in the U.S. including those of the Food and Drug Administration. The FDA approval year and Market Name is a representation of the first FDA-approved indication of the drug category (see legend) in the table. The drug has also been FDA approved for additional disorders. According to the National Cancer Institute (http://www.cancer.gov), chemotherapy regimens do not have a clinical trial approval, however, each individual anticancer component is FDA approved.