

Cancer drug costs for a month of treatment at initial Food and Drug Administration approval

| Generic name | Brand name(s) | Year of FDA approval | Monthly Cost (actual \$'s) | Monthly cost (2013 \$'s) |
|--------------------------|--------------------------------|----------------------|----------------------------|--------------------------|
| Vinblastine | Velban | 1965 | \$78 | \$575 |
| Thioguanine, 6-TG | Thioguanine Tabloid | 1966 | \$17 | \$122 |
| Hydroxyurea | Hydrea | 1967 | \$14 | \$97 |
| Cytarabine | Cytosar-U, Tarabine PFS | 1969 | \$13 | \$82 |
| Procarbazine | Matulane | 1969 | \$2 | \$13 |
| Testolactone | Teslac | 1969 | \$179 | \$1,136 |
| Mitotane | Lysodren | 1970 | \$134 | \$801 |
| Plicamycin | Mithracin | 1970 | \$50 | \$299 |
| Mitomycin C | Mutamycin | 1974 | \$5 | \$22 |
| Dacarbazine | DTIC-Dome | 1975 | \$29 | \$125 |
| Lomustine | CeeNU | 1976 | \$10 | \$41 |
| Carmustine | BICNU, BCNU | 1977 | \$33 | \$127 |
| Tamoxifen citrate | Nolvadex | 1977 | \$44 | \$167 |
| Cisplatin | Platinol | 1978 | \$125 | \$445 |
| Estramustine | Emcyt | 1981 | \$420 | \$1,074 |
| Streptozocin | Zanosar | 1982 | \$61 | \$147 |
| Etoposide, VP-16 | Vepesid | 1983 | \$181 | \$422 |
| Interferon alfa 2a | Roferon A | 1986 | \$742 | \$1,573 |
| Daunorubicin, Daunomycin | Cerubidine | 1987 | \$533 | \$1,090 |
| Doxorubicin | Adriamycin | 1987 | \$521 | \$1,066 |
| Mitoxantrone | Novantrone | 1987 | \$477 | \$976 |
| Ifosfamide | IFEX | 1988 | \$1,667 | \$3,274 |
| Flutamide | Eulexin | 1989 | \$213 | \$399 |
| Altretamine | Hexalen | 1990 | \$341 | \$606 |
| Idarubicin | Idamycin | 1990 | \$227 | \$404 |
| Levamisole | Ergamisol | 1990 | \$105 | \$187 |
| Carboplatin | Paraplatin | 1991 | \$860 | \$1,467 |
| Fludarabine phosphate | Fludara | 1991 | \$662 | \$1,129 |
| Pamidronate | Aredia | 1991 | \$507 | \$865 |
| Pentostatin | Nipent | 1991 | \$1,767 | \$3,015 |
| Aldesleukin | Proleukin | 1992 | \$13,503 | \$22,364 |
| Melphalan | Alkeran | 1992 | \$35 | \$58 |
| Cladribine | Leustatin, 2-CdA | 1993 | \$764 | \$1,229 |
| Asparaginase | Elspar | 1994 | \$694 | \$1,088 |
| Paclitaxel | Taxol | 1994 | \$2,614 | \$4,099 |
| Pegaspargase | Oncaspar | 1994 | \$3,006 | \$4,713 |
| Vinorelbine | Navelbine | 1994 | \$1,035 | \$1,623 |
| Anastrozole | Arimidex | 1995 | \$189 | \$288 |
| Bicalutamide | Casodex | 1995 | \$311 | \$474 |
| Doxorubicin liposomal | Doxil, Dox-SL, Evacet, LipoDox | 1995 | \$1,488 | \$2,269 |
| Goserelin acetate | Zoladex | 1995 | \$415 | \$633 |
| Porfimer sodium | Photofrin | 1995 | \$520 | \$793 |
| Tretinoin, ATRA | Vesanoid | 1995 | \$2,435 | \$3,713 |

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|------------------------|-------------------------------|------|----------|----------|
| Bleomycin | Blenoxane | 1996 | \$421 | \$623 |
| Daunorubicin liposomal | DanuoXome | 1996 | \$847 | \$1,254 |
| Etoposide phosphate | Etopophos | 1996 | \$685 | \$1,014 |
| Gemcitabine | Gemzar | 1996 | \$2,129 | \$3,153 |
| Irinotecan | Camptosar | 1996 | \$5,326 | \$7,888 |
| Nilutamide | Nilandron | 1996 | \$320 | \$474 |
| Topotecan | Hycamtin | 1996 | \$2,344 | \$3,471 |
| Letrozole | Femara | 1997 | \$180 | \$260 |
| Rituximab | Rituxan | 1997 | \$3,475 | \$5,031 |
| Toremifene | Fareston | 1997 | \$93 | \$135 |
| BCG Live | TICE BCG | 1998 | \$53 | \$75 |
| Capecitabine | Xeloda | 1998 | \$1,045 | \$1,490 |
| Leuprolide acetate | Eligard, Lupron, Lupron Depot | 1998 | \$206 | \$293 |
| Trastuzumab | Herceptin | 1998 | \$3,208 | \$4,573 |
| Valrubicin | Valstar | 1998 | \$3,209 | \$4,575 |
| Bexarotene | Targretin | 1999 | \$2,361 | \$3,294 |
| Busulfan | Busulfex (Myleran) | 1999 | \$1,427 | \$1,990 |
| Cytarabine liposomal | DepoCyt, DepoFoam | 1999 | \$3,351 | \$4,674 |
| Denileukin | Ontak | 1999 | \$14,291 | \$19,932 |
| Docetaxel | Taxotere | 1999 | \$2,610 | \$3,640 |
| Epirubicin | Ellence | 1999 | \$2,295 | \$3,201 |
| Exemestane | Aromasin | 1999 | \$205 | \$286 |
| Methoxsalen | Uvadex | 1999 | \$80 | \$111 |
| Temozolomide | Temodar | 1999 | \$1,574 | \$2,195 |
| Arsenic trioxide | Trisenox | 2000 | \$5,400 | \$7,287 |
| Gemtuzumab ozogamicin | Mylotarg | 2000 | \$4,262 | \$5,751 |
| Triptorelin pamoate | Trelstar Depot | 2000 | \$450 | \$607 |
| Alemtuzumab | Campath | 2001 | \$19,925 | \$26,143 |
| Imatinib mesylate | Gleevec | 2001 | \$3,401 | \$4,462 |
| Fulvestrant | Faslodex | 2002 | \$948 | \$1,225 |
| Ibritumomab tiuxetan | Zevalin | 2002 | \$1,000 | \$1,291 |
| Oxaliplatin | Eloxatin | 2002 | \$5,911 | \$7,635 |
| Zoledronic acid | Zometa | 2002 | \$881 | \$1,138 |
| Abarelix | Plenaxis depot | 2003 | \$2,607 | \$3,293 |
| Bortezomib | Velcade | 2003 | \$3,392 | \$4,284 |
| Gefitinib | Iressa | 2003 | \$1,608 | \$2,030 |
| Tositumomab | Bexxar | 2003 | \$1,449 | \$1,830 |
| Azacitidine | Vidaza, Mylosar | 2004 | \$3,909 | \$4,808 |
| Bevacizumab | Avastin | 2004 | \$4,429 | \$5,448 |
| Cetuximab | Erbitux | 2004 | \$9,465 | \$11,643 |
| Erlotinib | Tarceva | 2004 | \$4,174 | \$5,134 |
| Pemetrexed disodium | Alimta | 2004 | \$5,086 | \$6,256 |
| Lenalidomide | Revlimid | 2005 | \$7,989 | \$9,505 |
| Nelarabine | Arranon | 2005 | \$19,425 | \$23,112 |
| nab-Paclitaxel | Abraxane | 2005 | \$5,640 | \$6,710 |
| Sorafenib | Nexavar | 2005 | \$5,097 | \$6,064 |
| Dasatinib | Sprycel | 2006 | \$4,529 | \$5,220 |

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|---------------------------|-------------------|------|----------|----------|
| Decitabine | Dacogen | 2006 | \$4,652 | \$5,362 |
| Panitumumab | Vectibix | 2006 | \$7,991 | \$9,210 |
| Sunitinib maleate | Sutent | 2006 | \$4,590 | \$5,290 |
| Thalidomide | Thalomid, Synovir | 2006 | \$5,613 | \$6,470 |
| Vorinostat | Zolinza | 2006 | \$8,134 | \$9,375 |
| Ixabepilone | Ixempra | 2007 | \$6,781 | \$7,599 |
| Lapatinib ditosylate | Tykerb | 2007 | \$3,124 | \$3,501 |
| Nilotinib | Tasigna | 2007 | \$6,140 | \$6,881 |
| Temsirolimus | Torisel | 2007 | \$5,497 | \$6,160 |
| Degarelix | Firmagon | 2008 | \$595 | \$642 |
| Bendamustine HCL | Treanda | 2008 | \$7,023 | \$7,580 |
| Everolimus | Afinitor | 2009 | \$7,885 | \$8,541 |
| Pralatrexate injection | Folotyn | 2009 | \$19,732 | \$21,371 |
| Ofatumumab | Arzerra | 2009 | \$13,106 | \$14,196 |
| Pazopanib | Votrient | 2009 | \$6,013 | \$6,512 |
| Romidepsin | Istodax | 2009 | \$16,958 | \$18,368 |
| Cabazitaxel | Jevtana Injection | 2010 | \$10,842 | \$11,554 |
| Sipuleucel-T | Provenge | 2010 | \$35,588 | \$37,924 |
| Eribulin mesylate | Halaven | 2010 | \$6,193 | \$6,600 |
| Ipilimumab | Yervoy | 2011 | \$37,956 | \$40,447 |
| Vandetanib | Vandetanib | 2011 | \$10,413 | \$10,757 |
| Abiraterone acetate | Zytiga | 2011 | \$5,259 | \$5,433 |
| Vemurafenib tablets | Zelboraf | 2011 | \$10,767 | \$11,122 |
| Brentuximab vedotin | Adcetris | 2011 | \$19,495 | \$20,139 |
| Crizotinib | Xalkori | 2011 | \$11,011 | \$11,375 |
| Axitinib | Inlyta | 2012 | \$9,291 | \$9,403 |
| Vismodegib | Erivedge | 2012 | \$8,546 | \$8,649 |
| Ziv-aflibercept | Zaltrap | 2012 | \$11,063 | \$11,196 |
| Carfilzomib | Kyprolis | 2012 | \$7,153 | \$7,240 |
| Pertuzumab | Perjeta | 2012 | \$5,605 | \$5,673 |
| Enzalutamide | Xtandi | 2012 | \$7,078 | \$7,163 |
| Bosutinib | Bosulif | 2012 | \$8,287 | \$8,387 |
| Regorafenib | Stivarga | 2012 | \$9,620 | \$9,736 |
| Omacetaxine mepesuccinate | Synribo | 2012 | \$6,357 | \$6,434 |
| Cabozantinib | Cometriq | 2012 | \$9,921 | \$10,041 |
| Ponatinib | Iclusig | 2012 | \$9,104 | \$9,214 |
| Ado-trastuzumab emtansine | Kadcyla | 2013 | \$10,635 | \$10,635 |
| Pomalidomide | Pomalyst | 2013 | \$11,336 | \$11,336 |
| Trametinib | Mekinist | 2013 | \$8,812 | \$8,812 |
| Dabrafenib | Tafinlar | 2013 | \$9,411 | \$9,411 |
| Ra 223 | Xofigo | 2013 | \$12,455 | \$12,455 |
| Lenalidomide | Revlimid | 2013 | \$7,698 | \$7,698 |
| Afataniab | Gilotrif | 2013 | \$5,500 | \$5,500 |
| Ibrutinib | Imbruvica | 2013 | \$10,900 | \$10,900 |
| Obinutuzumab | Gazyva | 2013 | \$7,167 | \$7,167 |
| Ceritinib | Zykadia | 2014 | \$13,500 | \$13,276 |
| Ramucirumab | Cyramza | 2014 | \$13,256 | \$13,036 |