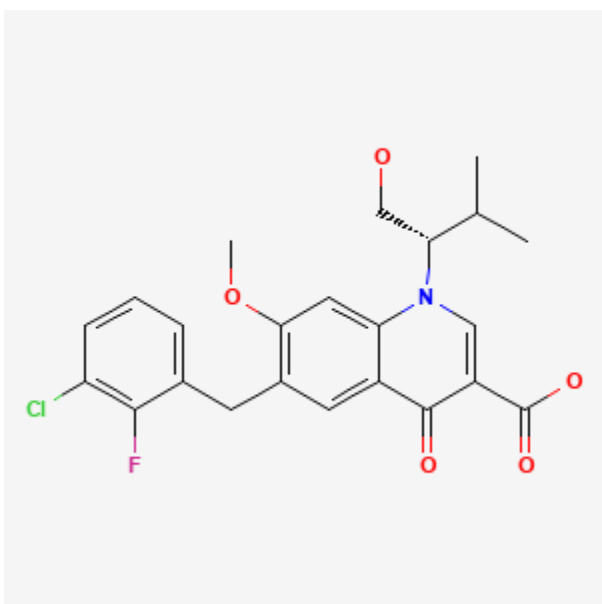




Elvitegravir

Revised: February 15, 2024.

CASRN: 697761-98-1



Drug Levels and Effects

Summary of Use during Lactation

No published information is available on the use of elvitegravir during breastfeeding. An alternate agent may be preferred. Achieving and maintaining viral suppression with antiretroviral therapy decreases breastfeeding transmission risk to less than 1%, but not zero. Individuals with HIV who are on antiretroviral therapy with a sustained undetectable viral load and who choose to breastfeed should be supported in this decision. If a viral load is not suppressed, banked pasteurized donor milk or formula is recommended.[1,2]

Drug Levels

Maternal Levels. Relevant published information was not found as of the revision date.

Disclaimer: Information presented in this database is not meant as a substitute for professional judgment. You should consult your healthcare provider for breastfeeding advice related to your particular situation. The U.S. government does not warrant or assume any liability or responsibility for the accuracy or completeness of the information on this Site.

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Infant Levels. Relevant published information was not found as of the revision date.

Effects in Breastfed Infants

Relevant published information was not found as of the revision date.

Effects on Lactation and Breastmilk

Gynecomastia has been reported among men receiving highly active antiretroviral therapy. Gynecomastia is unilateral initially, but progresses to bilateral in about half of cases. No alterations in serum prolactin were noted and spontaneous resolution usually occurred within one year, even with continuation of the regimen.[3-5] Some case reports and in vitro studies have suggested that protease inhibitors might cause hyperprolactinemia and galactorrhea in some male patients,[6,7] although this has been disputed.[8] The relevance of these findings to nursing mothers is not known. The prolactin level in a mother with established lactation may not affect her ability to breastfeed.

Alternate Drugs to Consider

Raltegravir

References

1. World Health Organization. Consolidated guidelines on HIV prevention, testing, treatment, service delivery and monitoring: recommendations for a public health approach. 2021. Available at: <https://www.who.int/publications/i/item/9789240031593>
2. Department of Health and Human Services. Recommendations for the use of antiretroviral drugs during pregnancy and interventions to reduce perinatal HIV transmission in the United States. Infant feeding for individuals with HIV in the United States. 2023. Available at: <https://clinicalinfohiv.gov/en/guidelines/perinatal/infant-feeding-individuals-hiv-united-states?view=full>
3. García-Benayas T, Blanco F, Martín-Carbonero L, et al. Gynecomastia in HIV-infected patients receiving antiretroviral therapy. *AIDS Res Hum Retroviruses* 2003;19:739-41. PubMed PMID: 14585204.
4. Pantanowitz L, Evans D, Gross PD, Dezube BJ. HIV-related gynecomastia. *Breast J* 2003;9:131-2. PubMed PMID: 12603389.
5. Evans DL, Pantanowitz L, Dezube BJ, Aboulafia DM. Breast enlargement in 13 men who were seropositive for human immunodeficiency virus. *Clin Infect Dis* 2002;35:1113-9. PubMed PMID: 12384846.
6. Hutchinson J, Murphy M, Harries R, Skinner CJ. Galactorrhoea and hyperprolactinaemia associated with protease-inhibitors. *Lancet* 2000;356:1003-4. PubMed PMID: 11041407.
7. Orlando G, Brunetti L, Vacca M. Ritonavir and saquinavir directly stimulate anterior pituitary prolactin secretion, in vitro. *Int J Immunopathol Pharmacol* 2002;15:65-8. PubMed PMID: 12593790.
8. Montero A, Bottasso OA, Luraghi MR, et al. Galactorrhoea, hyperprolactinaemia, and protease inhibitors. *Lancet* 2001;357:473-5. PubMed PMID: 11273087.

Substance Identification

Substance Name

Elvitegravir

CAS Registry Number

697761-98-1

Drug Class

Breast Feeding

Lactation

Milk, Human

Anti-Infective Agents

Antiviral Agents

Anti-HIV Agents

Anti-Retroviral Agents

HIV Integrase Inhibitors