

U.S. National Library of Medicine National Center for Biotechnology Information **NLM Citation:** Drugs and Lactation Database (LactMed) [Internet]. Bethesda (MD): National Library of Medicine (US); 2006-. Ziv-Aflibercept. [Updated 2020 Feb 17]. **Bookshelf URL:** https://www.ncbi.nlm.nih.gov/books/



# **Ziv-Aflibercept**

Revised: February 17, 2020.

CASRN: 1609655-49-3

## **Drug Levels and Effects**

#### Summary of Use during Lactation

This record refers to the use of ziv-aflibercept for treating cancer. No information is available on the use of zivaflibercept during breastfeeding. Because ziv-aflibercept is a large protein molecule with a molecular weight of 115,000, the amount in milk is likely to be very low and absorption is unlikely because it is probably destroyed in the infant's gastrointestinal tract. However, ziv-aflibercept is usually used in combination with other potentially toxic chemotherapy agents and most sources consider breastfeeding to be contraindicated during maternal antineoplastic drug therapy. Intravitreal aflibercept decreased vascular endothelial growth factor in breastmilk in one woman.[1] Since VGEF is present in human milk and is thought to help in maturation of the infant's gastrointestinal tract, concern has been raised about the maternal use of VGEF inhibitors during breastfeeding. Note that the typical alternative to breastmilk is infant formula, which contains no VGEF.

#### **Drug Levels**

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

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**

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

#### References

1. Juncal VR, Paracha Q, Bamakrid M, et al. Ranibizumab and aflibercept levels in breast milk after intravitreal injection. Ophthalmology. 2020;127:278–80. PubMed PMID: 31526521.

**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 .

### **Substance Identification**

#### **Substance Name**

Ziv-Aflibercept

#### **CAS Registry Number**

1609655-49-3

#### **Drug Class**

Breast Feeding Lactation Antineoplastic Agents

Angiogenesis Inhibitors

**Recombinant Fusion Proteins**