



Gemtuzumab Ozogamicin

Revised: November 15, 2023.

CASRN: 220578-59-6

Drug Levels and Effects

Summary of Use during Lactation

No information is available on the clinical use of gemtuzumab ozogamicin during breastfeeding. Because gemtuzumab is a large protein molecule with a molecular weight of about 152,000 Da the amount in milk is likely to be very low.[1] It is also likely to be partially destroyed in the infant's gastrointestinal tract and absorption by the infant is probably minimal.[2] Ozogamicin (N-acetyl gamma calicheamicin) is a small-molecule that causes double-stranded DNA that might enter milk and be absorbed by the infant. Because of the potential for serious adverse reactions in the breastfed infant, the manufacturer recommends that women not breastfeed during treatment and for at least 1 month after the final dose.

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. Stratigakis A, Paty D, Zou P, et al. A regression approach for assessing large molecular drug concentration in breast milk. *Reprod Breed* 2023;3:199-207. doi:10.1016/j.repbre.2023.10.003
2. Anderson PO. Monoclonal antibodies during breastfeeding. *Breastfeed Med* 2021;16:591-3. PubMed PMID: 33956488.

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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Substance Identification

Substance Name

Gemtuzumab Ozogamicin

CAS Registry Number

220578-59-6

Drug Class

Breast Feeding

Lactation

Milk, Human

Antineoplastic Agents

Antineoplastic Agents, Immunological

Immunotoxins