



Pegaspargase

Revised: November 15, 2023.

CASRN: 130167-69-0

Drug Levels and Effects

Summary of Use during Lactation

No information is available on the clinical use of pegaspargase during breastfeeding. Because pegaspargase is a large protein molecule with a molecular weight of about 140,000 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] Polyethylene glycol is not excreted into breastmilk.[3] However, the manufacturer recommends that the drug not be used during breastfeeding and for 1 month after the last 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.
3. Clowse ME, Förger F, Hwang C, et al. Minimal to no transfer of certolizumab pegol into breast milk: Results from CRADLE, a prospective, postmarketing, multicentre, pharmacokinetic study. *Ann Rheum Dis* 2017;76:1890-6. PubMed PMID: 28814432.

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Substance Identification

Substance Name

Pegaspargase

CAS Registry Number

130167-69-0

Drug Class

Breast Feeding

Lactation

Milk, Human

Antineoplastic Agents

Enzymes