

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-. Yttrium 90 Ibritumomab Tiuxetan. [Updated 2018 Dec 3]. **Bookshelf URL:** https://www.ncbi.nlm.nih.gov/books/



# Yttrium 90 Ibritumomab Tiuxetan

Revised: December 3, 2018.

CASRN: 1460293-15-5

## **Drug Levels and Effects**

## Summary of Use during Lactation

Information in this record refers to the use of yttrium 90 ibritumomab tiuxetan as a therapeutic agent. No information is available on the use of yttrium 90 ibritumomab tiuxetan during breastfeeding. Because of the long half-life of yttrium 90, the manufacturer and expert opinion recommend not administering the drug in women who wish to continue breastfeeding.[1] If the drug is administered to a nursing mother, breastfeeding should be discontinued. No restrictions on holding the infant after administration of the drug are necessary.[2]

## **Drug Levels**

Yttrium-90 decays by emission of beta particles, with a physical half-life of 64.1 hours and a decay energy of 2.28 MeV.

## **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. Goldsmith SJ. Radioimmunotherapy of lymphoma: Bexxar and Zevalin. Semin Nucl Med. 2010;40:122-35. PubMed PMID: 20113680.
- 2. Gulec SA, Siegel JA. Posttherapy radiation safety considerations in radiomicrosphere treatment with 90Ymicrospheres. J Nucl Med. 2007;48:2080-6. PubMed PMID: 18006608.

**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**

Yttrium 90 Ibritumomab Tiuxetan

### **CAS Registry Number**

1460293-15-5

#### **Drug Class**

Breast Feeding

Lactation

Radiopharmaceuticals

Yttrium Radioisotopes