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Indium 111 Ibritumomab Tiuxetan

Revised: November 15, 2023.

CASRN: 1607828-40-9

Drug Levels and Effects

Summary of Use during Lactation

Information in this record refers to the use of indium 111 ibritumomab tiuxetan as a diagnostic agent. No information is available on the use of indium 111 ibritumomab tiuxetan during breastfeeding. Because of the long half-life of indium 111 and the potential for serious adverse reactions in nursing infants, the manufacturer recommends not administering the drug in women who wish to continue breastfeeding. 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.[1]

Drug Levels

Indium 111 decays by electron capture with 173 keV and 245 keV gamma emissions and a physical half-life of 2.8 days.[2]

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. Gulec SA, Siegel JA. Posttherapy radiation safety considerations in radiomicrosphere treatment with 90Y-microspheres. J Nucl Med 2007;48:2080-6. PubMed PMID: 18006608.
2. Dilsizian V, Metter D, Palestro C, Zanzonico P. Advisory Committee on Medical Uses of Isotopes (ACMUI) Sub-Committee on Nursing Mother Guidelines for the Medical Administration of Radioactive Material.

Final report submitted: January 31, 2019. 2019. Available at: https://www.nrc.gov/docs/ML1903/ML19038A498.pdf

Substance Identification

Substance Name

Indium 111 Ibritumomab Tiuxetan

CAS Registry Number

1607828-40-9

Drug Class

Breast Feeding

Lactation

Milk, Human

Radiopharmaceuticals

Indium Radioisotopes

Diagnostic Agents