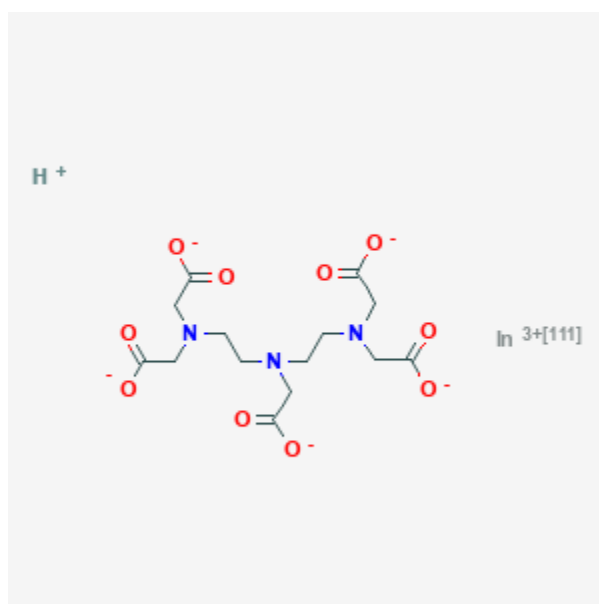




Indium In 111 Pentetate

Revised: June 30, 2019.

CASRN: 135998-32-2



Drug Levels and Effects

Summary of Use during Lactation

Information in this record refers to the use of indium In 111 pentetate as a diagnostic agent. No information is available on the use of indium In 111 pentetate during breastfeeding. [1][2][3] Because of the long half-life of indium 111 and the potential for serious adverse reactions in nursing infants, it is best to avoid the drug in women who wish to continue breastfeeding. If the drug is given, breastfeeding should be discontinued.

Drug Levels

In 111 decays by electron capture with 171 keV and 245 keV gamma emissions and a physical half-life of 2.83 days.[1] The manufacturer reports that 65% of the administered dose is excreted by the kidneys within 24 hours and 85% is excreted in 72 hours.

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 .

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. Howe DB, Beardsley M, Bakhsh S. Appendix U. Model procedure for release of patients or human research subjects administered radioactive materials. In, NUREG-1556. Consolidated guidance about materials licenses. Program-specific guidance about medical use licenses. Final report. U.S. Nuclear Regulatory Commission Office of Nuclear Material Safety and Safeguards. 2008;9, Rev. 2. Available at: <http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/v9/r2/>
2. Mountford PJ, Coakley AJ. A review of the secretion of radioactivity in human breast milk: data, quantitative analysis and recommendations. Nucl Med Commun. 1989;10:15-27. PubMed PMID: 2645546.
3. Early PJ, Sodee DB. Principles and practice of nuclear medicine. 2nd ed. St. Louis. Mosby-Year Book, Inc. 1995:1380-1.

Substance Identification

Substance Name

Indium In 111 Pentetate

CAS Registry Number

135998-32-2

Drug Class

Breast Feeding

Lactation

Radiopharmaceuticals

Indium Radioisotopes

Diagnostic Agents