

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-. Nitrogen-13. [Updated 2018 Dec 3]. **Bookshelf URL:** https://www.ncbi.nlm.nih.gov/books/



# Nitrogen-13

Revised: December 3, 2018.

CASRN: 13981-22-1



## **Drug Levels and Effects**

## Summary of Use during Lactation

Information in this record refers to the use of nitrogen-13 radiopharmaceuticals as diagnostic agents. The International Commission on Radiological Protection also recommends that breastfeeding need not be interrupted after administration of radiopharmaceuticals containing nitrogen-13.[1]

## **Drug Levels**

Nitrogen N 13 decays by positron emission, emitting gamma photon with an energy of 511 keV. It has a physical half-life of 9.96 minutes.

**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. Mattsson S, Johansson L, Leide Svegborn S et al. Radiation dose to patients from radiopharmaceuticals: A compendium of current information related to frequently used substances. Annex D. Recommendations on breast-feeding interruptions. Ann ICRP. 2015;44 (2 Suppl):319-21. PubMed PMID: 26069086.

## **Substance Identification**

#### **Substance Name**

Nitrogen-13

#### **CAS Registry Number**

13981-22-1

### **Drug Class**

Breast Feeding Lactation Radiopharmaceuticals Nitrogen Radioisotopes

**Diagnostic Agents**