



## Nitrogen-13

Revised: December 3, 2018.

CASRN: 13981-22-1



N [13]

## 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.

## 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