



Carbon- 11

Revised: December 3, 2018.

CASRN: 14333-33-6

C [11]

Drug Levels and Effects

Summary of Use during Lactation

Information in this record refers to the use of carbon 11 radiopharmaceuticals as diagnostic agents. The International Commission on Radiological Protection also recommends that breastfeeding need not be interrupted after administration of radiopharmaceuticals containing carbon-11.[1]

Drug Levels

Carbon 11 decays by positron emission and electron capture with a half-life of 20.334 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

Carbon- 11

CAS Registry Number

14333-33-6

Drug Class

Breast Feeding

Lactation

Carbon Radioisotopes

Radiopharmaceuticals

Diagnostic Agents