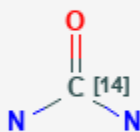




Urea C 14

Revised: June 30, 2019.

CASRN: 594-05-8



Drug Levels and Effects

Summary of Use during Lactation

Information in this record refers to the use of urea C14 as a diagnostic agent. No information is available on the use of urea C14 during breastfeeding. However, administration of urea C14 directly to pediatric patients is considered to be safe.[1] The International Commission on Radiological Protection recommends that breastfeeding need not be interrupted after administration of urea C14.[2]

Drug Levels

Carbon 14 is a low-energy beta emitter with a physical half-life of about 5730 years.

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.

Alternate Drugs to Consider

Urea C 13

References

1. Pathak CM, Kaur B, Khanduja K . 14C-urea breath test is safe for pediatric patients. Nucl Med Commun. 2010;31:830-5. PubMed PMID: 20864821.
2. 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

Urea C 14

CAS Registry Number

594-05-8

Drug Class

Breast Feeding

Lactation

Radiopharmaceuticals

Carbon Radioisotopes

Urea

Diagnostic Agents