



## (14C)-Glycocholic Acid

Revised: July 20, 2020.

### Drug Levels and Effects

#### Summary of Use during Lactation

Information in this record refers to the use of (14C)-glycocholic acid as a diagnostic agent. Breastfeeding does not need to be suspended after administration of (14C)-glycocholic acid.[1,2]

#### Drug Levels

Carbon 14 is a low-energy beta emitter with a physical half-life of about 5730 years. (14C)- glycocholic acid has an effective half-life of 143 hours. Approximately 9.2% of the injected radioactivity is excreted into breastmilk.[1]

#### 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. Leide-Svegborn S, Ahlgren L, Johansson L, et al. Excretion of radionuclides in human breast milk after nuclear medicine examinations. Biokinetic and dosimetric data and recommendations on breastfeeding interruption. *Eur J Nucl Med Mol Imaging*. 2016;43:808–21. PubMed PMID: 26732471.
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

(14C)-Glycocholic Acid

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## **Drug Class**

Breast Feeding

Lactation

Radiopharmaceuticals

Carbon Radioisotopes

Diagnostic Agents