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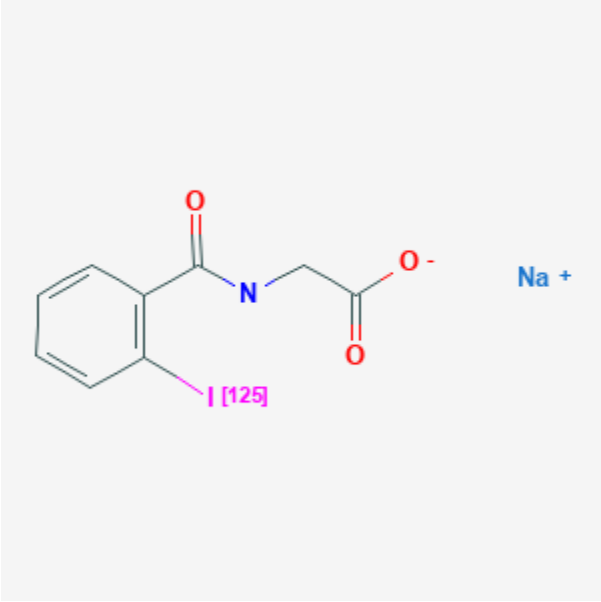
Iodohippurate Sodium I 125

Revised: June 30, 2019.

CASRN: 7230-65-1



Drug Levels and Effects

Summary of Use during Lactation

Information in this record refers to the use of iodohippurate sodium I 125 (ortho-iodohippurate sodium I 125; I 125 OIH) as a kidney function diagnostic agent. The United States Nuclear Regulatory Commission states that breastfeeding need not be interrupted after administration of I 125 OIH in doses up to 3 MBq (0.08 mCi) to a nursing mother.[1] However, some experts recommend nursing the infant just before administration of the radiopharmaceutical and interrupting breastfeeding for 12 to 18 hours after the dose.[2][3][4] If the mother has expressed and saved milk prior to the examination, she can feed it to the infant during the period of nursing interruption.[2][5][6]

Mothers concerned about the level of radioactivity in their milk could ask to have it tested at a nuclear medicine facility at their hospital. When the radioactivity is at a safe level she may resume breastfeeding. A method for

measuring milk radioactivity and determining the time when a mother can safely resume breastfeeding has been published.[7]

Drug Levels

I 125 is a low-energy pure gamma emitter with a physical half-life of 60.14 days.[1] The effective half-life of I 125 OIH averages 4.8 to 5 hours.[4][7][8] About 2% of an administered dose is excreted into breastmilk.[4]

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

Iothalamate Sodium I 125

References

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Substance Identification

Substance Name

Iodohippurate Sodium I 125

CAS Registry Number

7230-65-1

Drug Class

Breast Feeding

Lactation

Radiopharmaceuticals

Iodine Radioisotopes

Diagnostic Agents