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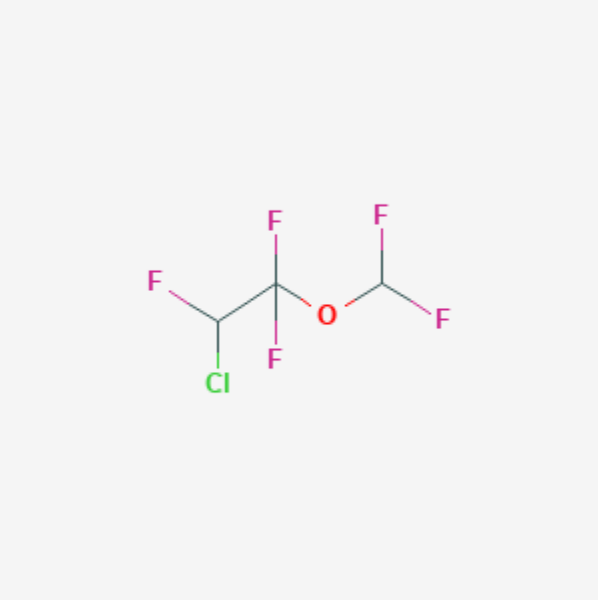
Enflurane

Revised: October 31, 2018.

CASRN: 13838-16-9



Drug Levels and Effects

Summary of Use during Lactation

There is no published experience with enflurane during breastfeeding. Because the serum half-life of enflurane in the mother is short and the drug is not expected to be absorbed by the infant, no waiting period or discarding of milk is required.[1] Breastfeeding can be resumed as soon as the mother has recovered sufficiently from general anesthesia to nurse.[2] When a combination of anesthetic agents is used for a procedure, follow the recommendations for the most problematic medication used during the procedure. In one study, breastfeeding before general anesthesia induction reduced requirements of sevoflurane and propofol compared to those of nursing mothers whose breastfeeding was withheld or nonnursing women.[3] It is possible that requirements for other anesthetic agents would be affected similarly.

Drug Levels

Maternal Levels. Relevant published information was not found as of the revision date.

Infant Levels. Relevant published information was not found as of the revision date.

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

Desflurane, Isoflurane, Sevoflurane

References

1. Lee JJ, Rubin AP. Breast feeding and anaesthesia. Anaesthesia. 1993;48:616-25. PubMed PMID: 8346780.
2. Dalal PG, Bosak J, Berlin C. Safety of the breast-feeding infant after maternal anesthesia. Paediatr Anaesth. 2014;24:359-71. PubMed PMID: 24372776.
3. Bhaskara B, Dayananda VP, Kannan S et al. Effect of breastfeeding on haemodynamics and consumption of propofol and sevoflurane: A state entropy guided comparative study. Indian J Anaesth. 2016;60:180-6. PubMed PMID: 27053781.

Substance Identification

Substance Name

Enflurane

CAS Registry Number

13838-16-9

Drug Class

Breast Feeding

Lactation

Anesthetics, Inhalation