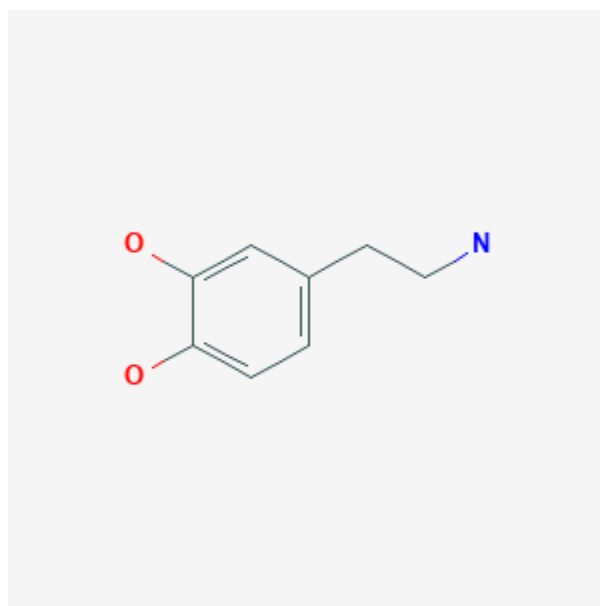




Dopamine

Revised: December 3, 2018.

CASRN: 51-61-6



Drug Levels and Effects

Summary of Use during Lactation

No information is available on the use of dopamine during breastfeeding. Because of its poor oral bioavailability and short half-life, any dopamine in milk is unlikely to affect the infant. Intravenous dopamine infusion may decrease milk production. Dopamine is known to reduce serum prolactin in nonnursing women, but no information is available on its effect on milk production in nursing mothers.

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

Intravenous dopamine infusion in doses of 2 to 5 mcg/kg/minute given to nonnursing subjects and in women with hyperprolactinemia decreases serum prolactin concentrations.[1][2][3][4][5] However, relevant published information on the effect of intravenous dopamine on milk production in nursing mothers was not found as of the revision date. The prolactin level in a mother with established lactation may not affect her ability to breastfeed.

References

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4. Leblanc H, Lachelin GC, Abu-Fadil S, Yen SS. Effects of dopamine infusion on pituitary hormone secretion in humans. *J Clin Endocrinol Metab.* 1976;43:668-74. PubMed PMID: 956350.
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Substance Identification

Substance Name

Dopamine

CAS Registry Number

51-61-6

Drug Class

Breast Feeding

Lactation

Cardiotonic Agents

Catecholamines

Dopamine Agents

Sympathomimetics