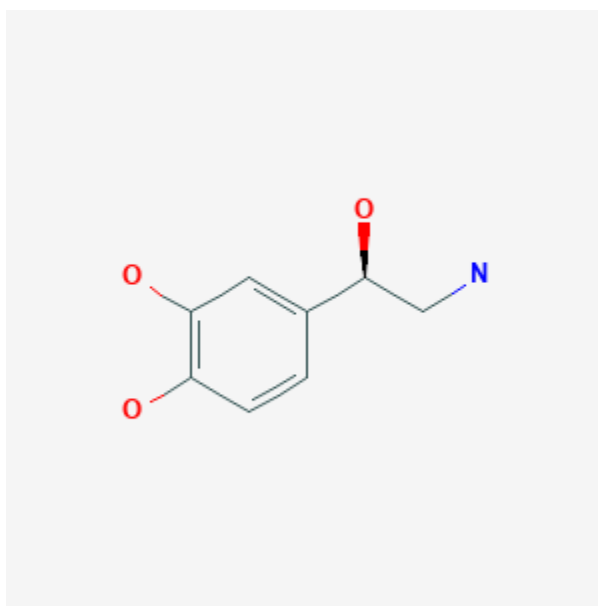




Norepinephrine

Revised: December 3, 2018.

CASRN: 51-41-2



Drug Levels and Effects

Summary of Use during Lactation

No information is available on the use of norepinephrine during breastfeeding. Because of its poor oral bioavailability and short half-life, any norepinephrine in milk is unlikely to affect the infant. High intravenous doses of norepinephrine might reduce milk production or milk letdown.

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 in nursing mothers was not found as of the revision date. Animal data indicate that norepinephrine can decrease serum prolactin and reduce milk production,[1] as well as inhibit the release of oxytocin, which inhibits milk ejection.[2]

References

1. Thomas GB, Cummins JT, Doughton BW et al. Direct pituitary inhibition of prolactin secretion by dopamine and noradrenaline in sheep. *J Endocrinol.* 1989;123:393-402. PubMed PMID: 2607250.
2. Song SL, Crowley WR, Grosvenor CE. Evidence for involvement of an adrenal catecholamine in the beta-adrenergic inhibition of oxytocin release in lactating rats. *Brain Res.* 1988;457:303-9. PubMed PMID: 2851365.

Substance Identification

Substance Name

Norepinephrine

CAS Registry Number

51-41-2

Drug Class

Breast Feeding

Lactation

Adrenergic Agonists

Adrenergic Alpha-Agonists

Catecholamines

Sympathomimetics

Vasoconstrictor Agents