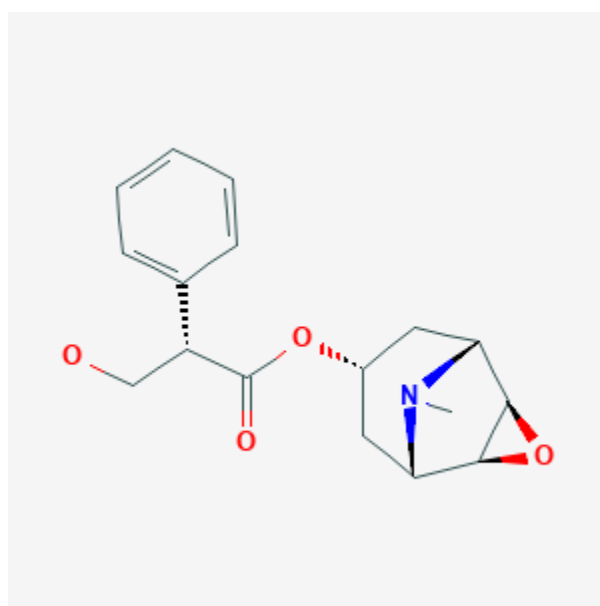




Scopolamine

Revised: October 31, 2018.

CASRN: 51-34-3



Drug Levels and Effects

Summary of Use during Lactation

No information is available on the use of scopolamine during breastfeeding. Use during labor appears to have a detrimental effect on newborn infants' nursing behavior. Long-term use of scopolamine might reduce milk production or milk letdown, but a single systemic or ophthalmic dose is not likely to interfere with breastfeeding. During long-term use, observe for signs of decreased lactation (e.g., insatiety, poor weight gain). To substantially diminish the amount of drug that reaches the breastmilk after using eye drops, place pressure over the tear duct by the corner of the eye for 1 minute or more, then remove the excess solution with an absorbent tissue.

Disclaimer: Information presented in this database is not meant as a substitute for professional judgment. You should consult your healthcare provider for breastfeeding advice related to your particular situation. The U.S. government does not warrant or assume any liability or responsibility for the accuracy or completeness of the information on this Site.

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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

Anticholinergics can inhibit lactation in animals, apparently by inhibiting growth hormone and oxytocin secretion.[1][2][3][4][5] Anticholinergic drugs can also reduce serum prolactin in nonnursing women.[6] The prolactin level in a mother with established lactation may not affect her ability to breastfeed.

A retrospective case-control study conducted in two hospitals in central Iran compared breastfeeding behaviors in the first 2 hours postdelivery by infants of 4 groups of primiparous women with healthy, full-term singleton births who had vaginal deliveries. The groups were those who received no medications during labor, those who received oxytocin plus scopolamine, those who received oxytocin plus meperidine, and those who received oxytocin, scopolamine and meperidine. The infants in the no medication group performed better than those in all other groups, and the oxytocin plus scopolamine group performed better than the groups that had received meperidine.[7]

References

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Substance Identification

Substance Name

Scopolamine

CAS Registry Number

51-34-3

Drug Class

Breast Feeding

Lactation

Adjuvants, Anesthesia

Mydriatics

Muscarinic Antagonists

Parasympatholytics