

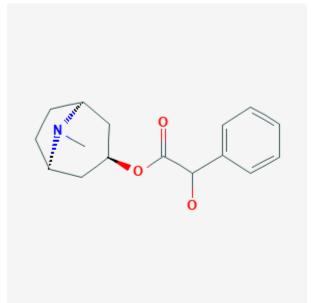
U.S. National Library of Medicine National Center for Biotechnology Information **NLM Citation:** Drugs and Lactation Database (LactMed) [Internet]. Bethesda (MD): National Library of Medicine (US); 2006-. Homatropine. [Updated 2019 Oct 23]. **Bookshelf URL:** https://www.ncbi.nlm.nih.gov/books/



# Homatropine

Revised: October 23, 2019.

CASRN: 87-00-3



## **Drug Levels and Effects**

### Summary of Use during Lactation

No information is available on the use of homatropine hydrobromide during breastfeeding. Anticholinergic drugs might interfere with breastfeeding. A single dose of ophthalmic homatropine hydrobromide is not likely to interfere with breastfeeding; however, during long-term use, observe the infant 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.

### **Drug Levels**

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

**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 .

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. 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.

#### References

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- 4. Bizzarro A, Iannucci F, Tolino A, et al. Inhibiting effect of atropine on prolactin blood levels after stimulation with TRH. Clin Exp Obstet Gynecol. 1980;7:108–11. PubMed PMID: 6788407.
- 5. Svennersten K, Nelson L, Juvnas-Moberg K. Atropinization decreases oxytocin secretion in dairy cows. Acta Physiol Scand. 1992;145:193–4. PubMed PMID: 1636447.
- 6. Masala A, Alagna S, Devilla L, et al. Muscarinic receptor blockade by pirenzepine: effect on prolactin secretion in man. J Endocrinol Invest. 1982;5:53–5. PubMed PMID: 6808052.

# **Substance Identification**

#### **Substance Name**

Homatropine

#### **CAS Registry Number**

87-00-3

#### **Drug Class**

**Breast Feeding** 

Lactation

Mydriatics

Muscarinic Antagonists

Parasympatholytics