

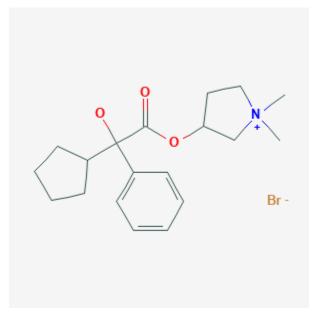
U.S. National Library of Medicine National Center for Biotechnology Information **NLM Citation:** Drugs and Lactation Database (LactMed) [Internet]. Bethesda (MD): National Library of Medicine (US); 2006-. Glycopyrrolate. [Updated 2018 Dec 3]. **Bookshelf URL:** https://www.ncbi.nlm.nih.gov/books/



# Glycopyrrolate

Revised: December 3, 2018.

CASRN: 596-51-0



## **Drug Levels and Effects**

## Summary of Use during Lactation

No information is available on the use of glycopyrrolate during breastfeeding. Because glycopyrrolate is a quaternary ammonium compound, it is not likely to be absorbed and reach the bloodstream of the infant,[1][2] [3] especially when given by inhalation or topically on the skin. Long-term oral use of glycopyrrolate might reduce milk production or milk letdown, but a single dose is unlikely to interfere with breastfeeding. During long-term use, observe for signs of decreased lactation (e.g., insatiety, poor weight gain).

## **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.

**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 .

## **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.[4][5][6][7][8] Anticholinergic drugs can also reduce serum prolactin in nonnursing women.[9] The prolactin level in a mother with established lactation may not affect her ability to breastfeed.

#### References

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- 7. 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.
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## **Substance Identification**

#### **Substance Name**

Glycopyrrolate

## **CAS Registry Number**

596-51-0

#### **Drug Class**

Breast Feeding

Lactation

Adjuvants, Anesthesia

Bronchodilator Agents

Muscarinic Antagonists

Parasympatholytics