

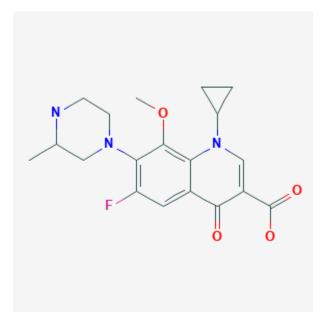
U.S. National Library of Medicine National Center for Biotechnology Information **NLM Citation:** Drugs and Lactation Database (LactMed) [Internet]. Bethesda (MD): National Library of Medicine (US); 2006-. Gatifloxacin. [Updated 2018 Oct 31]. **Bookshelf URL:** https://www.ncbi.nlm.nih.gov/books/



# Gatifloxacin

Revised: October 31, 2018.

CASRN: 112811-59-3



## **Drug Levels and Effects**

## Summary of Use during Lactation

: No information is available on the clinical use of gatifloxacin during breastfeeding. Fluoroquinolones have traditionally not been used in infants because of concern about adverse effects on the infants' developing joints. However, recent studies indicate little risk.[1][2] The calcium in milk might prevent absorption of the small amounts of fluoroquinolones in milk,[3] but insufficient data exist to prove or disprove this assertion. Use of gatifloxacin is acceptable in nursing mothers with monitoring of the infant for possible effects on the gastrointestinal flora, such as diarrhea or candidiasis (thrush, diaper rash). However, it is preferable to use an alternate drug for which safety information is available.

Maternal use of an ear drop or eye drop that contains gatifloxacin presents negligible risk for the nursing infant. To substantially diminish the amount of drug that reaches the breastmilk after using eye drops, place pressure

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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.

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 was not found as of the revision date.

#### **Alternate Drugs to Consider**

(Systemic) Ciprofloxacin, Levofloxacin; (Ophthalmic) Ciprofloxacin, Levofloxacin, Ofloxacin

### References

- 1. Gurpinar AN, Balkan E, Kilic N et al. The effects of a fluoroquinolone on the growth and development of infants. J Int Med Res. 1997;25:302-6. PubMed PMID: 9364293.
- 2. van den Oever HL, Versteegh FG, Thewessen EA et al. Ciprofloxacin in preterm neonates: case report and review of the literature. Eur J Pediatr. 1998;157:843-5. PubMed PMID: 9809826.
- 3. Fleiss PM. The effect of maternal medications on breast-feeding infants. J Hum Lact. 1992;8:7. Letter. PubMed PMID: 1558663.

## **Substance Identification**

#### **Substance Name**

Gatifloxacin

#### **CAS Registry Number**

112811-59-3

#### **Drug Class**

**Breast Feeding** 

Lactation

Anti-Infective Agents

Antibacterial Agents

Quinolones

Fluoroquinolones