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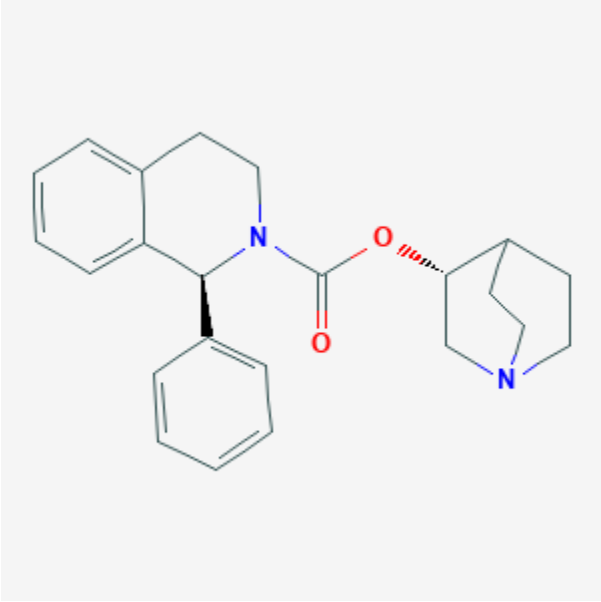
NLM Citation: Drugs and Lactation Database (LactMed) [Internet]. Bethesda (MD): National Library of Medicine (US); 2006-. Solifenacin. [Updated 2018 Dec 3].
Bookshelf URL: https://www.ncbi.nlm.nih.gov/books/

Solifenacin

Revised: December 3, 2018.

CASRN: 242478-37-1



Drug Levels and Effects

Summary of Use during Lactation

Because there is no published experience with solifenacin during breastfeeding and it has a long half-life averaging 55 hours, an alternate drug may be preferred, especially while nursing a newborn or preterm infant. Long-term use of solifenacin might reduce milk production or milk letdown. During long-term use, observe the infant for signs of decreased milk production (e.g., insatiety, poor weight gain) and for anticholinergic symptoms (e.g., constipation, urinary retention, UTI, dry mouth).

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. 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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3. Daniel JA, Thomas MG, Powell MR, Keisler DH. Methscopolamine bromide blocks hypothalmic-stimulated release of growth hormone in ewes. J Anim Sci. 1997;75:1359-62. PubMed PMID: 9159285.
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

Solifenacin

CAS Registry Number

242478-37-1

Drug Class

Breast Feeding

Lactation

Muscarinic Antagonists

Parasympatholytics