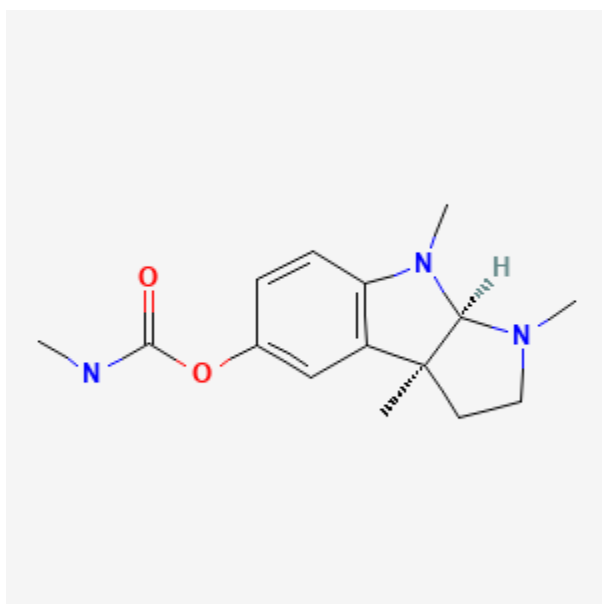




## Physostigmine

Revised: December 21, 2020.

CASRN: 57-47-6



## Drug Levels and Effects

### Summary of Use during Lactation

No information is available on the use of physostigmine during breastfeeding.

### 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.

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## 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. In animals, cholinergic drugs increase oxytocin release,[1] and physostigmine increases serum prolactin in humans.[2,3] The prolactin level in a mother with established lactation may not affect her ability to breastfeed.

## References

1. Clarke G, Fall CH, Lincoln DW, et al. Effects of cholinceptor antagonists on the suckling-induced and experimentally evoked release of oxytocin. *Br J Pharmacol.* 1978;63:519–27. PubMed PMID: 566601.
2. Risch SC, Janowsky DS, Siever LJ, et al. Cholinomimetic-induced co-release of prolactin and beta-endorphin in man. *Psychopharmacol Bull.* 1982;18:21–5. PubMed PMID: 6296908.
3. Risch SC, Janowsky DS, Siever LJ, et al. Correlated cholinomimetic-stimulated beta-endorphin and prolactin release in humans. *Peptides.* 1982;3:319–22. PubMed PMID: 6289276.

## Substance Identification

### Substance Name

Physostigmine

### CAS Registry Number

57-47-6

### Drug Class

Breast Feeding

Lactation

Cholinesterase Inhibitors

Parasympathomimetics