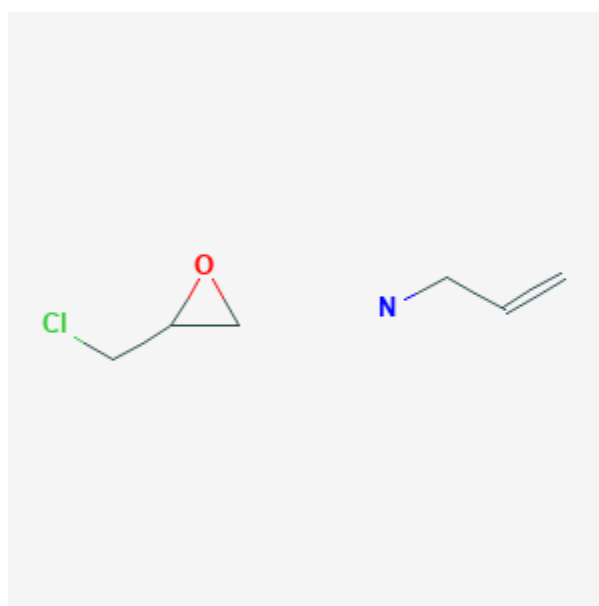




## Sevelamer

Revised: December 3, 2018.

CASRN: 52757-95-6



## Drug Levels and Effects

### Summary of Use during Lactation

Because sevelamer is not orally absorbed, sevelamer does not reach the breastmilk or adversely affect the breastfed infant after maternal administration. A suspension of sevelamer has been added directly to breastmilk to lower the phosphorus concentration of milk. This could be a useful maneuver for breastmilk use in infants with renal impairment; however, clinical use has not been reported. In addition to lowering average phosphorus content by 65% to over 80%, the calcium content of breastmilk was reduced by almost as much and the casein content also decreased somewhat. With sevelamer hydrochloride, the chloride content increased by 60% and the pH changed from 6.8 to 7.8, although pH appears to rebound over time.[1][2] Addition of large amounts of sevelamer to artificial formula also lowers the copper, magnesium, manganese, potassium, sulfur and zinc concentrations by about 20%.[3] Similar reductions might occur with breastmilk.

**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 was not found as of the revision date.

## References

1. Ferrara E, Lemire J, Reznik VM, Grimm PC. Dietary phosphorus reduction by pretreatment of human breast milk with sevelamer. *Pediatr Nephrol.* 2004;19:775-9. PubMed PMID: 15103549.
2. Raaijmakers R, Houkes LM, Schroder CH et al. Pre-treatment of dairy and breast milk with sevelamer hydrochloride and sevelamer carbonate to reduce phosphate. *Peritoneal Dial Int.* 2013;33:565-72. PubMed PMID: 23636435.
3. Taylor JM, Oladitan L, Carlson S et al. Renal formulas pretreated with medications alters the nutrient profile. *Pediatr Nephrol.* 2015;30:1815-23. PubMed PMID: 25930981.

## Substance Identification

### Substance Name

Sevelamer

### CAS Registry Number

52757-95-6

### Drug Class

Breast Feeding

Lactation

Chelating Agents