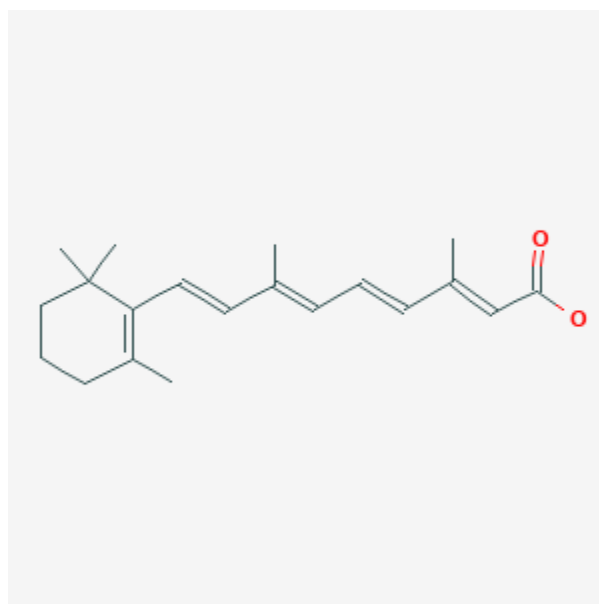




## Tretinoin

Revised: December 3, 2018.

CASRN: 302-79-4



## Drug Levels and Effects

### Summary of Use during Lactation

Tretinoin has not been studied during breastfeeding. Breastfeeding should probably be avoided after oral use. Because it is poorly absorbed after topical application, it is considered a low risk to the nursing infant.[1][2][3] Ensure that the infant's skin does not come into direct contact with the areas of skin that have been treated. Only water-miscible cream or gel products should be applied to the breast because ointments may expose the infant to high levels of mineral paraffins via licking.[4]

### 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

A review of adverse reaction reports on retinoids causing a breast reaction submitted to a French pharmacovigilance center found 1 case of gynecomastia was associated with topical tretinoin use.[5]

## Alternate Drugs to Consider

(Acne) *Azelaic Acid*, *Benzoyl Peroxide*, *Clindamycin*, *Erythromycin*; (Psoriasis) *Adalimumab*, *Etanercept*, *Infliximab*, *Phototherapy*

## References

1. Leachman SA, Reed BR. The use of dermatologic drugs in pregnancy and lactation. *Dermatol Clin*. 2006;24:167-97. PubMed PMID: 16677965.
2. Zip C. Common sense dermatological drug suggestions for women who are breast-feeding. *Skin Therapy Lett*. 2002;7:5-7. PubMed PMID: 12007012.
3. Butler DC, Heller MM, Murase JE. Safety of dermatologic medications in pregnancy and lactation: Part II Lactation. *J Am Acad Dermatol*. 2014;70:417.e1-417.e10. PubMed PMID: 24528912.
4. Noti A, Grob K, Biedermann M et al. Exposure of babies to C(15)-C(45) mineral paraffins from human milk and breast salves. *Regul Toxicol Pharmacol*. 2003;38:317-25. PubMed PMID: 14623482.
5. Atzenhoffer M, Pierre S, Bellet F et al. Gynecomastia and galactorrhea: Unlabeled adverse drug reactions of retinoids used in dermatology. *Drug Safety*. 2018;41:1198-9. Abstract. DOI: [10.1007/s40264-018-0719-2](https://doi.org/10.1007/s40264-018-0719-2).

## Substance Identification

### Substance Name

Tretinoin

### CAS Registry Number

302-79-4

### Drug Class

Breast Feeding

Lactation

Antineoplastic Agents

Dermatologic Agents

Keratolytic Agents

Retinoids