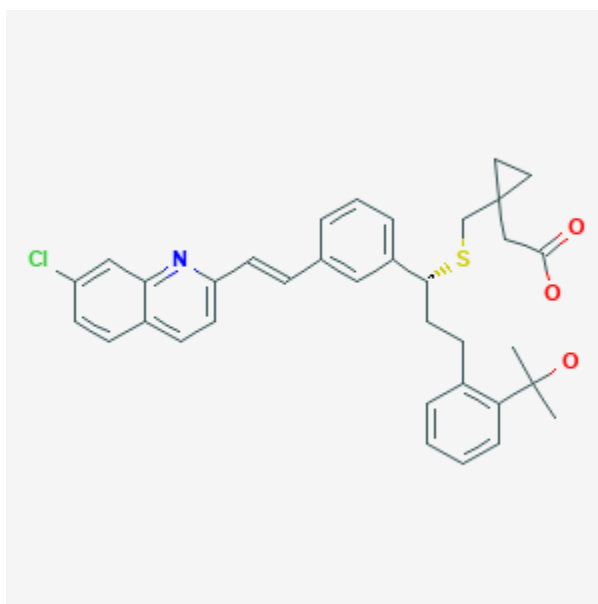




## Montelukast

Revised: October 31, 2018.

CASRN: 158966-92-8



## Drug Levels and Effects

### Summary of Use during Lactation

Very low levels of montelukast appear in breastmilk. Montelukast is approved for use in children as young as 6 months of age and has been used in neonates in dosages far greater than the amounts in breastmilk. Amounts ingested by the infant would not be expected to cause any adverse effects in breastfed infants. No special precautions are required.

### Drug Levels

*Maternal Levels.* Seven women were given a 10 mg dose of montelukast and provide milk samples before the dose and at 6 times over the next 12 hours. Average peak milk concentration of the drug were 9.74 mcg/L at an average of 4 hours after the dose. The average milk concentration was 5.3 mcg/L which resulted in an average

daily infant dosage of 0.79 mcg/kg (range 0.4 to 1.4 mcg/kg daily) or 0.68% of the weight-adjusted maternal dosage.[1]

*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

Beclomethasone, Cromolyn, Terbutaline, Theophylline, Zafirlukast

## References

1. Datta P, Rewers-Felkins K, Baker T, Hale TW. Transfer of Montelukast into Human Milk During Lactation. *Breastfeed Med.* 2017;12:54-7. PubMed PMID: 28002678.

## Substance Identification

### Substance Name

Montelukast

### CAS Registry Number

158966-92-8

### Drug Class

Breast Feeding

Lactation

Anti-Asthmatic Agents

Leukotriene Antagonists