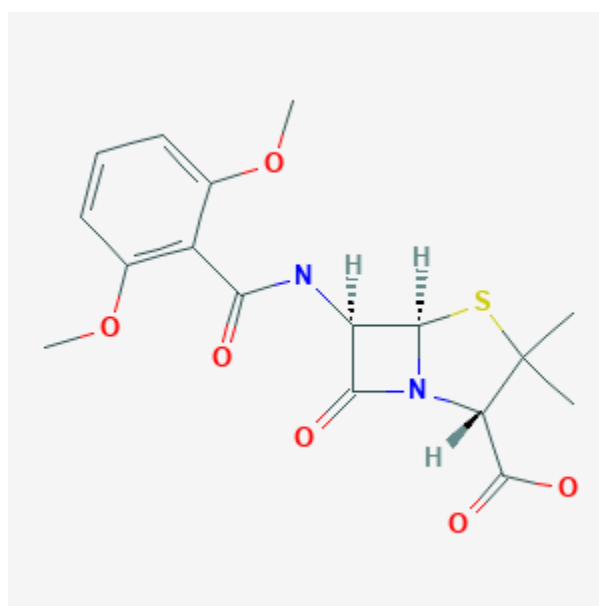




Methicillin

Revised: October 31, 2018.

CASRN: 61-32-5



Drug Levels and Effects

Summary of Use during Lactation

Amounts of methicillin ingested by the infant in breastmilk are small and would not be expected to cause any adverse effects. Occasionally disruption of the infant's gastrointestinal flora, resulting in diarrhea or thrush have been reported with penicillins, but these effects have not been adequately evaluated. Methicillin is acceptable in nursing mothers.

Drug Levels

Maternal Levels. Intramuscular injections of methicillin 1 gram every 6 hours for 6 to 9 days in 17 women with monolateral mastitis yielded methicillin levels in milk that reached a peak of 0.31 mg/L at 3 hours after the first dose on the first day in the healthy breast, and much lower levels in the breast with mastitis. After the last dose,

peak milk levels of 1.53 mg/L occurred 6 hours after the dose. Methicillin milk levels from both breasts were equal.[1]

After a single intramuscular dose of 1 gram of methicillin in 3 women, milk levels ranged from 0.2 to 0.3 mg/L between 1 and 6 hours.[2]

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

(Methicillin-resistant Staph. aureus) [Doxycycline](#), [Linezolid](#), [Minocycline](#), [Trimethoprim-Sulfamethoxazole](#), [Vancomycin](#)

References

1. Kulakov VI, Zak IR, Kulikova NN, Smekuna FA. [Body pharmacokinetics of methicillin, oxacillin and cephaloridine in puerperal mastitis]. *Antibiotiki*. 1981;26:110-3. PubMed PMID: 7212690.
2. Matsuda S. Transfer of antibiotics into maternal milk. *Biol Res Pregnancy*. 1984;5:57-60. PubMed PMID: 6743732.

Substance Identification

Substance Name

Methicillin

CAS Registry Number

61-32-5

Drug Class

Breast Feeding

Lactation

Anti-Infective Agents

Antibacterial Agents

Penicillins