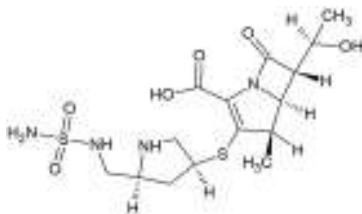


Doripenem

ALTERNATE NAME: 3-[[[(3S,5S)-5S-[[[aminosulfonyl]amino]methyl]-3-pyrrolidinyl]thio]-6S-[(1R)-1-hydroxyethyl]-4R-methyl-7-oxo-1-azabicyclo[3.2.0]hept-2-ene-2-carboxylic acid
S 4661

CATALOG #: B2688-10 10 mg
B2688-50 50 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₅H₂₄N₄O₆S₂

MOLECULAR WEIGHT: 420.51

CAS NUMBER: 148016-81-3

APPEARANCE: White to yellow powder

PURITY: ≥98%

SOLUBILITY: ~ 20 mg/ml DMSO

DESCRIPTION: Doripenem is a broad-spectrum β-lactam antibiotic. It is active against Gram-negative and Gram-positive bacteria, including *S. aureus*, *S. pneumoniae*, *E. coli*, and *K. pneumoniae*. Doripenem reduces the number of viable bacteria in mouse lung in a model of chronic *P. aeruginosa* respiratory tract infection when administered at a dose of 100 mg/kg per day. It inhibits bacterial cell wall synthesis by forming stable acyl enzymes with penicillin-binding proteins, thereby inactivating them.

STORAGE TEMPERATURE: -20°C. Protect from light

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Ampicillin sodium (2484)
Ampicillin trihydrate (2483)
Ticarcillin Disodium (B1536)
Carbenicillin disodium (2485)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*