



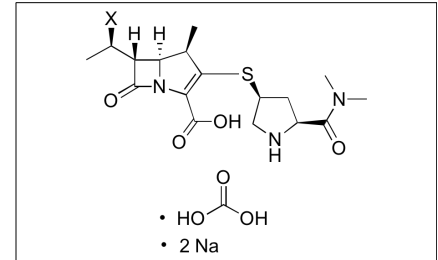
LKT Laboratories, Inc.

Meropenem Sodium Carbonate

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Product Information

Product ID M1770
CAS No. 96036-03-2
Chemical Name (4R,5S,6S)-3-[[[(3S,5S)-5-[(Dimethylamino)carbonyl]-3-pyrrolidinyl]thio]-6-((1R)-1-hydroxyethyl)-4-methyl-7-oxo-1-azabicyclo[3,2,0]hept-2-ene-2-carboxylic acid
Synonym Merrem
Formula C₁₇H₂₅N₃O₅S
Formula Wt. 383.46
Melting Point
Purity ≥98%
Solubility Soluble in water



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
M1770	25 mg	\$44.80
M1770	100 mg	\$142.30
M1770	500 mg	\$449.50
M1770	1 g	\$629.30

Store Temp 4° C
Ship Temp Ambient

Description Meropenem is a carbapenem β -lactam antibiotic that inhibits penicillin binding proteins, preventing cell wall synthesis. Meropenem exhibits antibacterial activity against *Morganella*, *Enterobacter*, *Klebsiella*, *Mycobacterium*, and *Bacillus*.

- References** Guzek A, Tomaszewski D, Rybicki Z, et al. Comparison of in vitro efficacy of ertapenem, imipenem and meropenem in the infections caused by the Enterobacteriaceae strains family. *Anaesthesiol Intensive Ther.* 2013 Apr-Jun;45(2):67-72. PMID: 23877897.
- Li WJ, Li DF, Hu YL, et al. Crystal structure of L,D-transpeptidase LdtMt2 in complex with meropenem reveals the mechanism of carbapenem against *Mycobacterium tuberculosis*. *Cell Res.* 2013 May;23(5):728-31. PMID: 23588382.
- Louie A, VanScoy BD, Brown DL, et al. Impact of spores on the comparative efficacies of five antibiotics for treatment of *Bacillus anthracis* in an in vitro hollow fiber pharmacodynamic model. *Antimicrob Agents Chemother.* 2012 Mar;56(3):1229-39. PMID: 22155821.
- Isozumi R, Yoshimatsu K, Yamashiro T, et al. bla(NDM-1)-positive *Klebsiella pneumoniae* from environment, Vietnam. *Emerg Infect Dis.* 2012 Aug;18(8):1383-1385. PMID: 22840532.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.