



LKT Laboratories, Inc.

Imipenem Monohydrate

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lctlabs.com
Web: lctlabs.com

Product Information

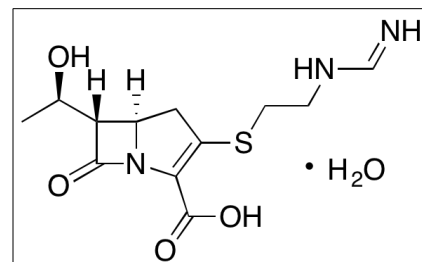
Product ID I4934
CAS No. 74431-23-5
Chemical Name

Synonym

Formula $C_{12}H_{17}N_3O_4S \cdot H_2O$
Formula Wt. 317.36
Melting Point 106-111 °C
Purity $\geq 98\%$
Solubility Water 10 mg/ml, methanol
5 mg/ml, ethanol 0.2
mg/ml

Store Temp Ambient
Ship Temp Ambient

Description Imipenem is a β -lactam carbapenem antimicrobial. Imipenem exhibits broad-spectrum antibacterial activity against both gram positive and gram negative bacteria; it is especially active against *Pseudomonas aeruginosa* as well as species of *Enterococcus*. Like other β -lactam antibiotics, imipenem prevents bacterial cell wall synthesis by inhibiting penicillin binding proteins.
TEST!!!!!!



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
I4934	25 mg	\$124.00
I4934	100 mg	\$361.70
I4934	500 mg	\$1033.60

References El-Gamal MI, Oh CH. Current status of carbapenem antibiotics. Curr Top Med Chem. 2010;10(18):1882-97. PMID: 20615191.

Clissold SP, Todd PA, Campoli-Richards DM. Imipenem/cilastatin. A review of its antibacterial activity, pharmacokinetic properties and therapeutic efficacy. Drugs. 1987 Mar;33(3):183-241. PMID: 3552595.

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