



LKT Laboratories, Inc.

Ceftazidime Hydrate

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Product Information

Product ID C1635

CAS No. 78439-06-2

Chemical Name 1-[[[(6R,7R)-7-[[[(2Z)-(2-amino-4-thiazolyl)-[(1-carboxy-1-methylethoxy)imino]acetyl]amino]-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]pyridinium inner salt

Synonym GR-20263, Fortum

Formula $C_{22}H_{22}N_6O_7S_2 \cdot 5H_2O$

Formula Wt. 635.65

Melting Point

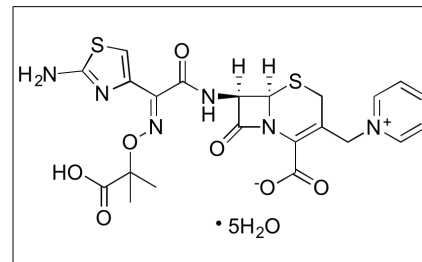
Purity $\geq 97\%$

Solubility Slightly soluble in water,
360 mg/L

Store Temp 4°C

Ship Temp Ambient

Description Ceftazidime is a third generation β -lactam cephalosporin antibiotic. Ceftazidime exhibits antibacterial efficacy against most gram positive and some gram negative bacteria, inhibiting penicillin binding proteins to prevent peptidoglycan synthesis and bacterial cell wall formation. TEST!!!!!!



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
C1635	1 g	\$132.40
C1635	5 g	\$535.20

References Chantratita N, Rhold DA, Sim B, et al. Antimicrobial resistance to ceftazidime involving loss of penicillin-binding protein 3 in *Burkholderia pseudomallei*. *Proc Natl Acad Sci U S A*. 2011 Oct 11;108(41):17165-70. PMID: 21969582.

Phelps DJ, Carlton DD, Farrell CA, et al. Affinity of cephalosporins for beta-lactamases as a factor in antibacterial efficacy. *Antimicrob Agents Chemother*. 1986 May;29(5):845-8. PMID: 3524432.

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