

Meropenem

Catalog No: tcsc1865



Available Sizes

Size: 50mg

Size: 100mg



Specifications

CAS No:

96036-03-2

Formula:

$C_{17}H_{25}N_3O_5S$

Pathway:

Anti-infection

Target:

Bacterial

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

SM 7338

Observed Molecular Weight:

383.46

Product Description

Meropenem (SM 7338) is a carbapenem antibiotic, which displaying a broad spectrum of antibacterial activity.

In Vitro:

Meropenem (SM 7338), a new parenteral carbapenem demonstrated increased activity as compared to imipenem against 336 strains of *Neisseria gonorrhoeae*, 119 strains of *Haemophilus influenzae*, and 110 strains of *H. Ceftriaxone* and ciprofloxacin demonstrated activity superior to that of both carbapenems while the activity of ceftazidime was similar to that of Meropenem (SM 7338)^[1]. Meropenem (SM 7338), like imipenem and various experimental penems, may overcome the resistance problems presented by Class I beta-lactamases^[2]. Meropenem (SM 7338) was rapidly penetrated to the pleural effusion and was retained for a more prolonged time in the pleural effusion than in the blood of patients with accumulated pleural effusion, and it suggested the usefulness of Meropenem (SM 7338) in antibacterial therapy for patients with pleurisy causing accumulation of pleural effusion^[3].

