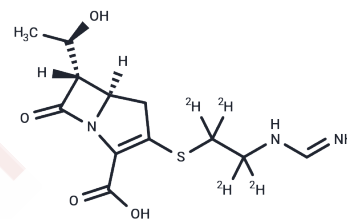


Imipenem-D4

Chemical Properties

CAS No. :	1261396-26-2
Formula:	C ₁₂ H ₁₃ D ₄ N ₃ O ₄ S
Molecular Weight:	303.37
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Imipenem-D4 is a deuterated compound of Imipenem. Imipenem (T124492) has a CAS number of 64221-86-9. Imipenem (T124492) (MK0787) is a thienomycin derivative that belongs to the class of antibiotics with antibacterial activity and partial inhibition against gram-positive and gram-negative bacteria. Imipenem (T124492) can be used to study carbapenem non-susceptible infections and Pseudomonas aeruginosa biofilm infections.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2963 mL	16.4815 mL	32.963 mL
5 mM	0.6593 mL	3.2963 mL	6.5926 mL
10 mM	0.3296 mL	1.6482 mL	3.2963 mL
50 mM	0.0659 mL	0.3296 mL	0.6593 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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