

Product Datasheet

Imipenem-d4 (orb2300232)

Description	Imipenem-d4 is a deuterated compound of Imipenem. Imipenem has a CAS number of 64221-86-9. Imipenem (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 can be used to study carbapenem non-susceptible infections and Pseudomonas aeruginosa biofilm infections.
Storage	-20°C
Note	For research use only
Formula	$C_{12}H_{13}D_4N_3O_4S$
Purity	98.00%
MW	303.37
CAS Number	1261396-26-2
SMILES	<chem>C(O)(=O)C=1N2[C@@]([C@@]([C@@H](C)O)(C2=O)[H])(CC1SC(C(NC=N)([2H])[2H])([2H])[2H])[H]</chem>
Expiration Date	12 months from date of receipt.

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