

Product Datasheet

Clavulanic Acid (orb1705935)

Catalog Number	orb1705935
Category	Small Molecules
Description	Clavulanic Acid (RX-10100) is a β -lactamase inhibitor isolated from <i>Streptomyces clavuligerus</i> . It is used in research to study bacterial resistance mechanisms and is commonly combined with β -lactam antibiotics for in vitro susceptibility testing and in vivo infection model studies.
Target	Antibiotic, Antibacterial, Antifungal
Purity	$\geq 98\%$ (May vary between batches)
MW	199.16
Target Areas	Antifungal Antibacterial Antibiotic
Solubility (25°C)	10% DMSO+40% PEG300+5% Tween 80+45% Saline:1 mg/mL (5.02 mM);DMSO:10 mg/mL (50.21 mM)
CAS Number	58001-44-8
Formula	$C_8H_9NO_5$
SMILES	[H][C@@]12CC(=O)N1[C@@H](C(O)=O)\C(O2)=C\CO
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

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