

Product Datasheet

Amlodipine Besylate (orb1310810)

Catalog Number	orb1310810
Category	Small Molecules
Description	Amlodipine besylate is the benzenesulfonate salt of amlodipine, a dihydropyridine-class calcium channel antagonist with long-acting pharmacological activity. It is widely used in research to study hypertension and angina mechanisms, employing both in vitro binding assays and in vivo cardiovascular models.
Target	Calcium Channel
Purity	96.67% (May vary between batches)
MW	567.05
Target Areas	Calcium Channel
Solubility (25°C)	H2O:5.7 mg/mL (10.05 mM);10% DMSO+40% PEG300+5% Tween 80+45% Saline:2 mg/mL (3.53 mM);DMSO:50 mg/mL (88.18 mM)
CAS Number	111470-99-6
Formula	C ₂₆ H ₃₁ ClN ₂ O ₈ S
SMILES	<chem>OS(=O)(=O)C1=CC=CC=C1.CCOC(=O)C1=C(COCCN)NC(C)=C(C1C1=C(Cl)C=CC=C1)C(=O)OC</chem>
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

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