

Product Datasheet

Mibefradil dihydrochloride (orb1309424)

Catalog Number	orb1309424
Category	Small Molecules
Description	Mibefradil dihydrochloride is a calcium channel blocker exhibiting moderate selectivity for T-type over L-type channels (IC50s of 2.7 µM and 18.6 µM, respectively). It is a research tool used in cardiovascular and neurological studies, with applications in both in vitro electrophysiology and in vivo models of hypertension and arrhythmia.
Target	Calcium Channel
Purity	98.66% (May vary between batches)
MW	568.55
Target Areas	Calcium Channel
Solubility (25°C)	H2O:122 mg/mL (214.58 mM)
CAS Number	116666-63-8
Formula	C ₂₉ H ₄₀ Cl ₂ FN ₃ O ₃
SMILES	<chem>Cl.Cl.COCC(=O)O[C@]1(CCN(C)CCCc2nc3cccc3[nH]2)CCc2cc(F)ccc2[C@@H]1C(C)C</chem>
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

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