

Product Datasheet

Mitochondrial fusion promoter M1 (orb1298258)

Catalog Number	orb1298258
Category	Small Molecules
Description	M1 is a small molecule mitochondrial fusion promoter that enhances mitochondrial dynamics, respiration, and function. It has demonstrated protective effects in preclinical models, notably reducing cerebral and cardiac injury in rat cardiac ischemia/reperfusion studies, supporting research in mitochondrial biology and organ protection.
Target	Mitochondrial Metabolism
Purity	99.66%
MW	364.05
Target Areas	Mitochondrial Metabolism
Solubility (25°C)	DMSO:1 mg/mL (2.75 mM)
CAS Number	219315-22-7
Formula	C ₁₄ H ₁₀ Cl ₄ N ₂ O
SMILES	<chem>C\C(=N\NC1=C(Cl)C=C(Cl)C=C1Cl)C1=CC(Cl)=CC=C1O</chem>
Storage	Powder: -20°C for 3 years In solvent: -80°C for 1 year Shipping with blue ice/Shipping at ambient temperature.
Note	For research use only
Expiration Date	12 months from date of receipt.

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