

Product Datasheet

Rubiadin-1-methyl ether (orb1303033)

Catalog Number	orb1303033
Category	Small Molecules
Description	Rubiadin-1-methyl ether is a natural compound that suppresses osteoclast-mediated bone resorption. It functions by inhibiting NF-κB pathway activation, specifically blocking p65 phosphorylation, IκBα degradation, and p65 nuclear translocation. This mechanism supports its research application in studying bone metabolism disorders such as osteoporosis in cellular models.
Target	Anti-infection,NF-κB
Purity	98.32% (May vary between batches)
MW	268.26
Target Areas	Anti-infection NF-κB
Solubility (25°C)	DMSO:2.69 mg/mL (10.03 mM)
CAS Number	7460-43-7
Formula	C ₁₆ H ₁₂ O ₄
SMILES	COc1c(C)c(O)cc2C(=O)c3ccccc3C(=O)c12
Storage	keep away from direct sunlight,keep away from moisture,store under nitrogen 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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