

Product Datasheet

Diquafosol tetrasodium (orb1299832)

Catalog Number	orb1299832
Category	Small Molecules
Description	Diquafosol Tetrasodium (INS365) is a selective P2Y2 receptor agonist used in ophthalmic research. It promotes mucin and fluid secretion from ocular surface cells, enhancing tear film stability in models of dry eye disease. This mechanism supports its investigation in both in vitro cellular assays and in vivo animal studies.
Target	P2Y Receptor
Purity	98.70%
MW	878.23
Target Areas	P2Y Receptor
Solubility (25°C)	DMSO:Insoluble;H2O:247.5 mg/mL (281.82 mM)
CAS Number	211427-08-6
Formula	C ₁₈ H ₂₂ N ₄ Na ₄ O ₂₃ P ₄
SMILES	<chem>O=c1ccn(C2OC(COP(=O)([O-])OP(=O)([O-])OP(=O)([O-])OP(=O)([O-])OCC3OC(n4ccc(=O)[nH]c4=O)C(O)C3O)C(O)C2O)c(=O)[nH]1.[Na+].[Na+].[Na+].[Na+]</chem>
Storage	keep away from direct sunlight,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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