

## Product Datasheet

### Diquafosol tetrasodium (orb1299832)

<b>Catalog Number</b>	orb1299832
<b>Category</b>	Small Molecules
<b>Description</b>	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.
<b>Target</b>	P2Y Receptor
<b>Purity</b>	99.97% (May vary between batches)
<b>MW</b>	878.23
<b>Target Areas</b>	P2Y Receptor
<b>Solubility (25°C)</b>	DMSO:Insoluble;H2O:247.5 mg/mL (281.82 mM)
<b>CAS Number</b>	211427-08-6
<b>Formula</b>	C <sub>18</sub> H <sub>22</sub> N <sub>4</sub> Na <sub>4</sub> O <sub>23</sub> P <sub>4</sub>
<b>SMILES</b>	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+]
<b>Storage</b>	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.
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.

#### Biorbyt Ltd.

7 Signet Court, Swann Road  
Cambridge  
CB5 8LA  
United Kingdom

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: +44 (0)1223 859353 | Fax: +1 (415) 651-8558

#### Biorbyt LLC

68 TW Alexander Drive  
Research Triangle Park  
Durham  
NC 27713  
United States

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558