

Product Datasheet

ATP disodium salt (orb1308875)

Catalog Number	orb1308875
Category	Small Molecules
Description	ATP disodium salt is a stable, soluble form of adenosine triphosphate that acts as a potent agonist for P2 purinergic receptors. It is widely used in biochemical research to study cellular energy metabolism, purinergic signaling pathways, and receptor function in both in vitro and in vivo experimental models.
Target	Endogenous Metabolite,P2X Receptor
Purity	93.83% (May vary between batches)
MW	551.14
Target Areas	Endogenous Metabolite P2X Receptor
Solubility (25°C)	H2O:252.5 mg/mL (458.14 mM);DMSO:Insoluble
CAS Number	987-65-5
Formula	$C_{10}H_{14}N_5O_{13}P_3 \cdot 2Na$
SMILES	<chem>C1=NC2=C(C(=N1)N)N=CN2[C@H]3[C@@H]([C@@H]([C@H](O3)COP(=O)(O)OP(=O)([O-])OP(=O)(O)[O-])O)O.[Na+].[Na+]</chem>
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

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