

## Product Datasheet

### ATPγS-30 % (orb64057)

<b>Catalog Number</b>	orb64057
<b>Category</b>	Small Molecules
<b>Description</b>	ATPγS-30 %
<b>Form/Appearance</b>	solid; Color: white to off-white
<b>Purity</b>	≥ 90% (HPLC), contains 10% ADP
<b>MW</b>	Theoretical MW: 523.24 g/mol (free acid); Detected MW: 522.97 g/mol (free acid)
<b>Application notes</b>	<p>Modulation of intracellular signalling; Signalling of purinergic receptors; Regulation of cation channels; Modulation of cytokine secretion; Substrate for kinases; 5' end labeling with T4 Polynucleotide Kinase (T4 PNK) of DNA and RNA; Agonistic ligand, mainly for nucleoside receptor A1 Nucleoside phosphates stabilized against hydrolytic degradation can directly bind to nucleoside receptors.</p> <p><b>Spectroscopic Propertie:</b> λ<sub>max</sub> 259 nm, ε 15.4 L mmol<sup>-1</sup> cm<sup>-1</sup> (Tris-HCl, pH 7.5).</p> <p><b>Specific Ligands:</b> Purinoreceptors, Proteasomes, Agonist for P2Y2 and 12 receptors and for P2X(2), purinoreceptor.</p>
<b>CAS Number</b>	93839-89-5
<b>Formula</b>	C <sub>10</sub> H <sub>16</sub> N <sub>5</sub> O <sub>12</sub> P <sub>3</sub> S
<b>SMILES</b>	<chem>Nc1c2c(n([C@H]3[C@@H]([C@@H]([C@H](O3)COP(=O)(O)OP(=O)(O)OP(=S)(O)O)O)O)cn2)ncn1</chem>
<b>Storage</b>	store at -20 °C
<b>Dry Ice Shipping</b>	<b>Please note: This product requires shipment on dry ice. A dry ice surcharge will apply.</b>

#### Biorbyt Ltd.

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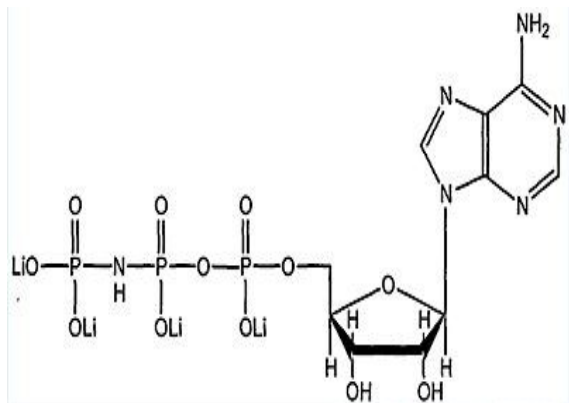
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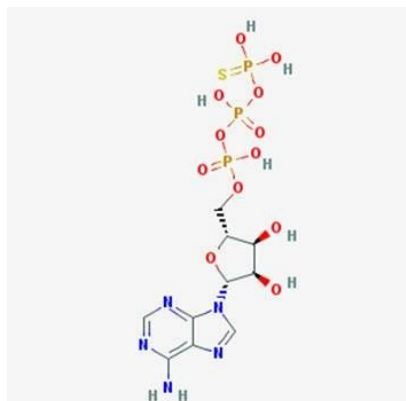
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<b>Hazard Information</b>	Non-Toxic
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.



ATP gamma S chemical structure



Chemical structure of adenosine 5-O-(3-thiotriphosphate)

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