

Product Datasheet

ATP γ S-30 % (orb1733948)

Catalog Number	orb1733948
Category	Small Molecules
Description	ATP γ S-30 %
Form/Appearance	solid; Color: white to off-white
Purity	≥ 90% (HPLC), contains 10% ADP
MW	Theoretical MW: 523.24 g/mol (free acid); Detected MW: 522.97 g/mol (free acid)
Application notes	<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 Nucleosidephosphates stabilized against hydrolytic degradation can directly bind to nucleoside receptors.</p> <p>Spectroscopic Propertie: λ_{\max} 259 nm, ϵ 15.4 L mmol⁻¹ cm⁻¹ (Tris-HCl, pH 7.5).</p> <p>Specific Ligands: Purinoreceptors, Proteasomes, Agonist for P2Y2 and 12 receptors and for P2X(2), purinoreceptor.</p>
CAS Number	93839-89-5
Formula	C ₁₀ H ₁₆ N ₅ O ₁₂ P ₃ S
SMILES	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
Storage	store at -20 °C
Dry Ice Shipping	Please note: This product requires shipment on dry ice. A dry ice surcharge will apply.

Biorbyt Ltd.

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

Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713-2847
United States

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

Note For research use only

Expiration Date 12 months from date of receipt.

Biorbyt Ltd.

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

Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713-2847
United States

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