

Product Datasheet

5'-Guanylic acid disodium salt (orb1302464)

Catalog Number	orb1302464
Category	Small Molecules
Description	Guanosine 5'-monophosphate disodium salt is a purine ribonucleotide involved in nucleotide metabolism and serves as a key precursor in nucleic acid synthesis. It is utilized in biochemical research to study enzymatic pathways, such as those involving GMP synthase, and as a biomarker in food science. Its roles extend to investigations of antibiotic action mechanisms and inborn errors of metabolism.
Target	iGluR, Endogenous Metabolite
Purity	99.02% (May vary between batches)
MW	425.20
Target Areas	iGluR Endogenous Metabolite
Solubility (25°C)	DMSO: Insoluble; H ₂ O: 100 mg/mL (235.18 mM)
CAS Number	5550-12-9
Formula	C ₁₀ H ₁₄ N ₅ Na ₂ O ₉ P
SMILES	[Na+].[Na+].Nc1nc2n(cnc2c(=O)[nH]1)[C@@H]1O[C@H](COP([O-])([O-])=O)[C@@H](O)[C@H]1O
Storage	-20°C
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)