

Product Datasheet

Deoxyguanosine triphosphate trisodium salt (orb1693532)

Catalog Number	orb1693532
Category	Small Molecules
Description	This trisodium salt of 2'-deoxyguanosine-5'-triphosphate (dGTP) serves as an essential nucleotide building block for DNA synthesis. It is widely utilized in molecular biology techniques such as PCR, RT-PCR, and cDNA synthesis for applications in genetic research, diagnostics, and both in vitro and in vivo studies.
Target	DNA/RNA Synthesis,Nucleoside Antimetabolite/Analog
Purity	99.22% (May vary between batches)
MW	573.13
Target Areas	DNA/RNA Synthesis Nucleoside Antimetabolite/Analog
Solubility (25°C)	H2O:57.31 mg/mL (99.99 mM);DMSO: 1 mg/mL (insoluble or slightly soluble)
CAS Number	93919-41-6
Formula	$C_{10}H_{13}N_5Na_3O_{13}P_3$
SMILES	<chem>O=C1C=C(NC(N)=N1)N([C@@H]3O[C@@H]([C@H](C3)O)COP(OP(OP([O-]))([O-])=O)([O-])=O)(O)=O)C=N2.[Na+].[Na+].[Na+]</chem>
Storage	Powder: -20°C for 3 years In solvent: -80°C for 1 year
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
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)