

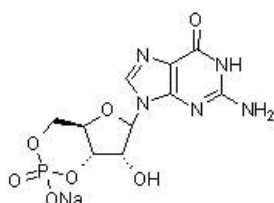
Product datasheet

Guanosine 3',5'-cyclic monophosphate sodium salt (cGMP), cyclic nucleotide second messenger ab120805

3 References

Overview

Product name	Guanosine 3',5'-cyclic monophosphate sodium salt (cGMP), cyclic nucleotide second messenger
Description	Cyclic nucleotide second messenger
Biological description	Cyclic nucleotide second messenger derived from guanosine triphosphate. Generated by guanylate cyclases. Involved in a number of cellular processes; downstream targets include cyclic nucleotide gated channels, cGMP-regulated phosphodiesterases and cGMP-dependent kinases.
Purity	> 99%
CAS Number	40732-48-7
Chemical structure	



Properties

Chemical name	Guanosine 3',5'-cyclophosphate sodium salt
Molecular weight	367.19
Molecular formula	C ₁₀ H ₁₁ N ₅ NaO ₇ P
PubChem identifier	23702131
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in water to 100 mM
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour. Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

SMILESNC4=Nc3c(ncn3C2O[C@@H]1COP(=O)(O[C@H]1[C@H]2O)O[Na])C(=O)N4**Source**

Synthetic

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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