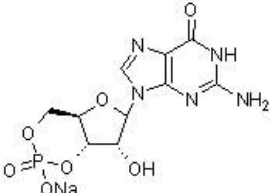


## Product datasheet

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

[3 References](#) [1 Image](#)

### Overview

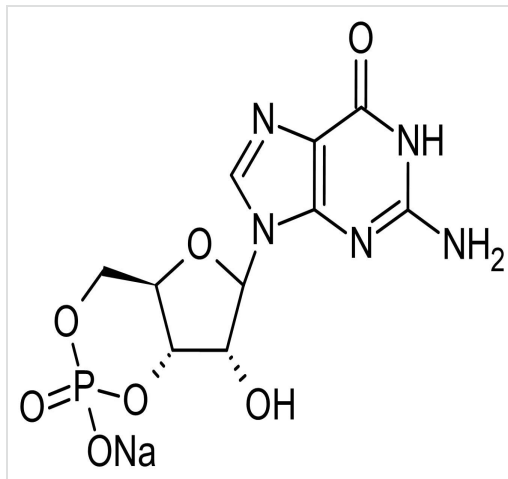
<b>Product name</b>	Guanosine 3',5'-cyclic monophosphate sodium salt (cGMP), cyclic nucleotide second messenger
<b>Description</b>	Cyclic nucleotide second messenger
<b>Biological description</b>	Cyclic nucleotide second messenger derived from guanosine triphosphate. Generated by guanylate cyclases.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

### Properties

<b>Chemical name</b>	Guanosine 3',5'-cyclophosphate sodium salt
<b>Molecular weight</b>	367.19
<b>Molecular formula</b>	C <sub>10</sub> H <sub>11</sub> N <sub>5</sub> NaO <sub>7</sub> P
<b>PubChem identifier</b>	23702131
<b>Storage instructions</b>	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in water to 100 mM
<b>Handling</b>	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 <a href="#">frequently asked questions (FAQ) page</a> for more details.

**SMILES**NC4=Nc3c(ncn3C2O[C@@H]1COP(=O)(O[C@H]1[C@H]2O)O[Na])C(=O)N4**Source**

Synthetic

**Images**

2D chemical structure image of ab120805, Guanosine 3',5'-cyclic monophosphate sodium salt (cGMP), cyclic nucleotide second messenger

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

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