

## 2'-Deoxyguanosine 5'-monophosphate disodium

## Chemical Properties

CAS No. :	33430-61-4
Formula:	C <sub>10</sub> H <sub>12</sub> N <sub>5</sub> Na <sub>2</sub> O <sub>7</sub> P
Molecular Weight:	391.185
Storage:	Keep away from direct sunlight, Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

## Biological Description

Description	2'-Deoxyguanosine 5'-monophosphate disodium (5'-dGMP disodium) is a GTP derivative that serves as an oxidizable target and is used in forming polycomplexes with other compounds.
Targets(IC50)	Nucleoside Antimetabolite/Analog, Endogenous Metabolite

## Solubility Information

Solubility	H <sub>2</sub> O: 100 mg/mL (255.63 mM), Sonification is recommended. DMSO: < 1 mg/mL (insoluble or slightly soluble.) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5563 mL	12.7815 mL	25.563 mL
5 mM	0.5113 mL	2.5563 mL	5.1126 mL
10 mM	0.2556 mL	1.2782 mL	2.5563 mL
50 mM	0.0511 mL	0.2556 mL	0.5113 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

M Paula Denofrio, et al. The photosensitizing activity of lumazine using 2'-deoxyguanosine 5'-monophosphate and HeLa cells as targets. Photochem Photobiol Sci. 2009 Nov;8(11):1539-49.

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