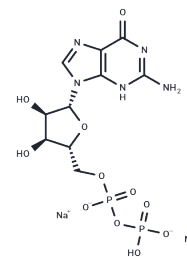


## Guanosine 5'-diphosphate disodium salt

## Chemical Properties

CAS No. :	7415-69-2
Formula:	C <sub>10</sub> H <sub>13</sub> N <sub>5</sub> Na <sub>2</sub> O <sub>11</sub> P <sub>2</sub>
Molecular Weight:	487.16
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Guanosine 5'-diphosphate disodium salt (5'-GDP-Na <sub>2</sub> ) is a nucleoside diphosphate, is a potential iron mobilizer, which prevents the hepcidin-ferroportin interaction and modulating the interleukin-6 (IL-6)/stat-3 pathway.
Targets(IC50)	Endogenous Metabolite,Potassium Channel

## Solubility Information

Solubility	H <sub>2</sub> O: 25.13 mg/mL (51.58 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0527 mL	10.2636 mL	20.5271 mL
5 mM	0.4105 mL	2.0527 mL	4.1054 mL
10 mM	0.2053 mL	1.0264 mL	2.0527 mL
50 mM	0.0411 mL	0.2053 mL	0.4105 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

Angmo S , Tripathi N , Abbat S , et al. Identification of Guanosine 5'-diphosphate as Potential Iron Mobilizer: Preventing the Hecpidin-Ferroportin Interaction and Modulating the Interleukin-6/Stat-3 Pathway[J]. Scientific Reports, 2017, 7:40097.

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