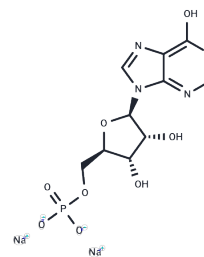


## Disodium 5'-inosinate

## Chemical Properties

CAS No. :	4691-65-0
Formula:	C <sub>10</sub> H <sub>11</sub> N <sub>4</sub> NaO <sub>8</sub> P <sup>-</sup>
Molecular Weight:	392.17
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	Disodium 5'-inosinate (5'-IMP disodium salt) is a flavor agent.
Targets(IC50)	Others

## Solubility Information

Solubility	H <sub>2</sub> O: 242.5 mg/mL (618.35 mM), Sonication is recommended. DMSO: Insoluble, ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5499 mL	12.7496 mL	25.4991 mL
5 mM	0.510 mL	2.5499 mL	5.0998 mL
10 mM	0.255 mL	1.275 mL	2.5499 mL
50 mM	0.051 mL	0.255 mL	0.510 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

Grummer, J. et al.: J. Dairy Sci., 96, 1401 (2013)

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