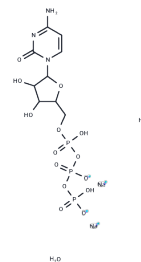


## CTP disodium dihydrate

### Chemical Properties

CAS No. :	81012-87-5
Formula:	C <sub>9</sub> H <sub>18</sub> N <sub>3</sub> Na <sub>2</sub> O <sub>16</sub> P <sub>3</sub>
Molecular Weight:	563.15
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	CTP disodium dihydrate is an agonist of P2X <sub>4</sub> purinergic receptor
Targets(IC <sub>50</sub> )	Endogenous Metabolite, P2X Receptor

### Solubility Information

Solubility	H <sub>2</sub> O: 43.33 mg/mL (76.94 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	1.7757 mL	8.8786 mL	17.7573 mL
5 mM	0.3551 mL	1.7757 mL	3.5515 mL
10 mM	0.1776 mL	0.8879 mL	1.7757 mL
50 mM	0.0355 mL	0.1776 mL	0.3551 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

Boghaei D M , Gharagozlou M . Spectrophotometric studies of molecular complex formation between water-soluble cobalt(II) Schiff base complex and nucleotides in mixed solvent systems[J]. spectrochimica acta part a molecular & biomolecular spectroscopy, 2005, 61(13-14):3061-3065.

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