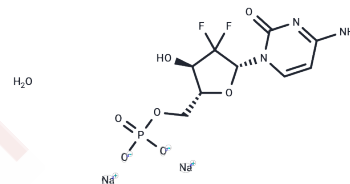


## Gemcitabine monophosphate sodium salt hydrate

## Chemical Properties

CAS No. :	1638288-31-9
Formula:	C <sub>9</sub> H <sub>12</sub> F <sub>2</sub> N <sub>3</sub> Na <sub>2</sub> O <sub>8</sub> P
Molecular Weight:	405.16
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	Gemcitabine monophosphate disodium salt is a monophosphate derivative of Gemcitabine.
Targets(IC50)	Autophagy,DNA,DNA/RNA Synthesis

## Solubility Information

Solubility	DMSO: Soluble, H <sub>2</sub> O: Insoluble, ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4682 mL	12.3408 mL	24.6816 mL
5 mM	0.4936 mL	2.4682 mL	4.9363 mL
10 mM	0.2468 mL	1.2341 mL	2.4682 mL
50 mM	0.0494 mL	0.2468 mL	0.4936 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.

## Reference

Miao L, et al. Nanoparticles with Precise Ratiometric Co-Loading and Co-Delivery of Gemcitabine Monophosphate and Cisplatin for Treatment of Bladder Cancer. Adv Funct Mater. 2014 Nov 12;24(42):6601-6611. PubMed PMID: 25395922; PubMed Central PMCID: PMC4225819.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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