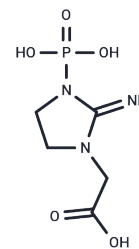


Cyclocreatine phosphate

Chemical Properties

CAS No. :	61839-19-8
Formula:	C5H10N3O5P
Molecular Weight:	223.12
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	Cyclocreatine phosphate (CCrP) is an anti-tumor agent and the proposed active form of cyclocreatine (CCr), a substrate analogue of creatine kinase. As potent cardioprotective drugs, cyclocreatine and its water-soluble derivative CCrP can be used for cancer research[1].
Targets(IC50)	Others
In vivo	Cyclocreatine phosphate (CCrP), administered intraperitoneally (i.p.) at a concentration of 37.5 mg/mL and a dosage of 0.2 mL twice daily, demonstrated anti-tumor activity in athymic (CD1-Nu/Nu) male mice within a human prostate cancer xenograft model, without eliciting significant toxicity signs [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4819 mL	22.4095 mL	44.8189 mL
5 mM	0.8964 mL	4.4819 mL	8.9638 mL
10 mM	0.4482 mL	2.2409 mL	4.4819 mL
50 mM	0.0896 mL	0.4482 mL	0.8964 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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