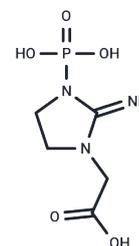


Cyclocreatine phosphate

Chemical Properties

CAS No. :	61839-19-8
Formula:	C ₅ H ₁₀ N ₃ O ₅ P
Molecular Weight:	223.12
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Cyclocreatine phosphate is an anti-tumor agent. Cyclocreatine phosphate (CCrP) is the proposed active form of cyclocreatine (CCr), a substrate analogue of creatine kinase. Cyclocreatine and its water-soluble derivative, cyclocreatine phosphate (CCrP), are potent cardioprotective drugs. Cyclocreatine phosphate can be used for the research of cancer[1].
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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 36 Washington Street, Wellesley Hills, MA 02481