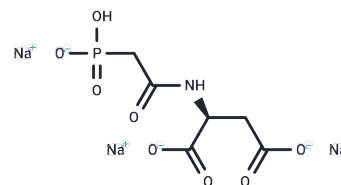


Sparfosic acid trisodium

Chemical Properties

CAS No. : 70962-66-2
Formula: C₆H₁₀NNaO₈P
Molecular Weight: 278.11
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Sparfosic acid trisodium is a potent aspartate transcarbamoyl transferase inhibitor, with anti-tumor and antimetabolite activity.
Targets(IC50)	Others
In vitro	In the resistant Br1 cells, Sparfosic acid (PALA) treatment causes apoptosis [1]. Sparfosic acid (PALA, 300 μM) shows progressive accumulation of cells in S phase and activation of an apoptotic pathway leading to cell death[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5957 mL	17.9785 mL	35.957 mL
5 mM	0.7191 mL	3.5957 mL	7.1914 mL
10 mM	0.3596 mL	1.7978 mL	3.5957 mL
50 mM	0.0719 mL	0.3596 mL	0.7191 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

Wang J, et al. Elevated cyclin A associated kinase activity promotes sensitivity of metastatic human cancer cells to DNA antimetabolite drug. Int J Oncol. 2015 Aug;47(2):782-90.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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