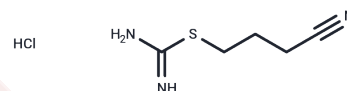


Kevetrin hydrochloride

Chemical Properties

CAS No. :	66592-89-0
Formula:	C ₅ H ₁₀ ClN ₃ S
Molecular Weight:	179.67
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Kevetrin hydrochloride (4-Isothioureidobutyronitrile hydrochloride) is a small molecule and activator of the tumor suppressor protein p53, with potential antineoplastic activity.
Targets(IC50)	Mdm2,p53

Solubility Information

Solubility	DMSO: 50 mg/mL (278.29 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.5658 mL	27.8288 mL	55.6576 mL
5 mM	1.1132 mL	5.5658 mL	11.1315 mL
10 mM	0.5566 mL	2.7829 mL	5.5658 mL
50 mM	0.1113 mL	0.5566 mL	1.1132 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

- Han D., Smalley K. (2015) Targeting the Cell Cycle and p53 in Combination with BRAF-Directed Therapy. In: Sullivan R. (eds) BRAF Targets in Melanoma. Cancer Drug Discovery and Development, vol 82. Springer, New York, NY
- Han R, Liang L, Qin T, et al. Encephalomyocarditis Virus 2A Protein Inhibited Apoptosis by Interaction with Annexin A2 through JNK/c-Jun Pathway. Viruses. 2022, 14(2): 359.
- Li J, Xiao S, Shi F, et al.Arsenic trioxide extends survival of Li-Fraumeni syndrome mimicking mouse.Cell Death & Disease.2023, 14(11): 783.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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