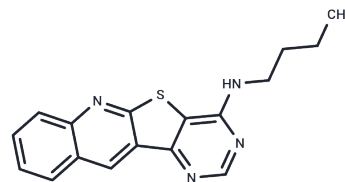


BPTQ

Chemical Properties

CAS No. : 1802665-43-5
Formula: C₁₇H₁₆N₄S
Molecular Weight: 308.4
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	BPTQ is a typical intercalator of DNA that acts by inducing a dose-dependent inhibitory effect on the proliferation of cancer cells by arresting cells at the S and G2/M phase.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2425 mL	16.2127 mL	32.4254 mL
5 mM	0.6485 mL	3.2425 mL	6.4851 mL
10 mM	0.3243 mL	1.6213 mL	3.2425 mL
50 mM	0.0649 mL	0.3243 mL	0.6485 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

Rohit Kumar H, Kumar CS, Kiran Kumar HN, Advi Rao GM. Inhibition of protein kinases by anticancer DNA intercalator, 4-butylaminopyrimido[4',5':4,5]thieno(2,3-b)quinoline. Acta Pharm Sin B. 2017 May;7(3):303-310.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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