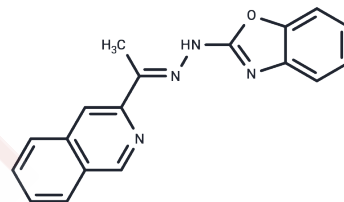


Antitumor agent-119

Chemical Properties

CAS No. :	913169-79-6
Formula:	C ₁₈ H ₁₄ N ₄ O
Molecular Weight:	302.33
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	Antitumor agent-119 (compound 13K) is an anti-cancer agent that can inhibit the growth of Butkitt, CCRF-CEM, HeLa and HT-29 cells, with IC50 values of 30 nM/140 nM/100 nM/40 nM respectively.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 80 mg/mL (264.61 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	3.3076 mL	16.5382 mL	33.0764 mL
5 mM	0.6615 mL	3.3076 mL	6.6153 mL
10 mM	0.3308 mL	1.6538 mL	3.3076 mL
50 mM	0.0662 mL	0.3308 mL	0.6615 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.

Reference

N. S. Hari Narayana Moorthy, et al. QSAR analysis of 2-benzoxazolyl hydrazone derivatives for anticancer activity and its possible target prediction. Med Chem Res 21, 133-144 (2012).

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