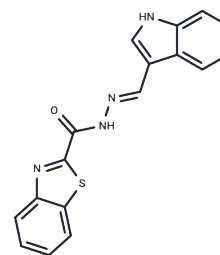


CAY10777

Chemical Properties

CAS No. : 2460648-40-0
 Formula: C₁₇H₁₂N₄O₅
 Molecular Weight: 320.37
 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	CAY10777 is an antiproliferative agent. It inhibits the proliferation of HepG2 cells in vitro (IC ₅₀ = 0.78 μM).
Targets(IC ₅₀)	Others

Solubility Information

Solubility	DMSO:PBS (pH 7.2) (1:9): 0.1 mg/mL (0.31 mM), Sonication is recommended. DMSO: 10 mg/mL (31.21 mM), Sonication is recommended. DMF: 10 mg/mL (31.21 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	3.1214 mL	15.607 mL	31.2139 mL
5 mM	0.6243 mL	3.1214 mL	6.2428 mL
10 mM	0.3121 mL	1.5607 mL	3.1214 mL
50 mM	0.0624 mL	0.3121 mL	0.6243 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

Liu, K., Ding, Y., and Kang, C. Synthesis and antiproliferative activity of new N-acylhydrazone derivatives containing benzothiazole and indole based moiety. Pharm. Chem. J. 54:345-352 (2020)

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