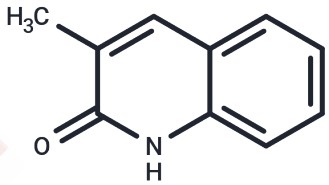
Data Sheet (Cat.No.T50035)

TargetMol

3-methyl-1,2-dihydroquinolin-2-one

Chemical Properties



CAS No. : 2721-59-7

Formula: C10H9NO

Molecular Weight: 159.18

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	3-methyl-1,2-dihydroquinolin-2-one is the first known micromolar inhibitors of the ATAD2 bromodomain.
Targets(IC50)	Epigenetic Reader Domain

Solubility Information

Solubility	DMSO: 5.5 mg/mL (34.55 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.2822 mL	31.411 mL	62.822 mL
5 mM	1.2564 mL	6.2822 mL	12.5644 mL
10 mM	0.6282 mL	3.1411 mL	6.2822 mL
50 mM	0.1256 mL	0.6282 mL	1.2564 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

Demont EH, Chung CW, Furze RC, Grandi P, Michon AM, Wellaway C, Barrett N, Bridges AM, Craggs PD, Diallo H, Dixon DP, Douault C, Emmons AJ, Jones EJ, Karamshi BV, Locke K, Mitchell DJ, Mouzon BH, Prinjha RK, Roberts AD, Sheppard RJ, Watson RJ, Bamborough P. Fragment-Based Discovery of Low-Micromolar ATAD2 Bromodomain Inhibitors. J Med Chem. 2015 Jul 23;58(14):5649-73.

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