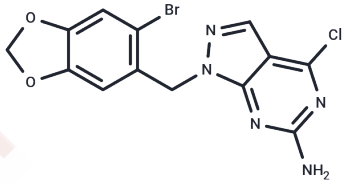
Data Sheet (Cat.No.T27193)

TargetMol

DN401

Chemical Properties



CAS No. : 2135749-60-7

Formula: C13H9BrClN5O2

Molecular Weight: 382.6

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	DN401 is a potent TRAP1 and Hsp90 Inhibitor(IC50 = 79 nM for TRAP1, IC50 = 698 nM for Hsp90) with potent anticancer activity.
Targets(IC50)	HSP

Solubility Information

Solubility	DMSO: 150 mg/mL (392.05 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6137 mL	13.0685 mL	26.137 mL
5 mM	0.5227 mL	2.6137 mL	5.2274 mL
10 mM	0.2614 mL	1.3068 mL	2.6137 mL
50 mM	0.0523 mL	0.2614 mL	0.5227 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

Park HK, et al. Paralog Specificity Determines Subcellular Distribution, Action Mechanism, and Anticancer Activity of TRAP1 Inhibitors. J Med Chem. 2017;60(17):7569-7578.
Kim D, et al. Development of pyrazolo[3,4-d]pyrimidine-6-amine-based TRAP1 inhibitors that demonstrate in vivo anticancer activity in mouse xenograft models. Bioorg Chem. 2020;101:103901.

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