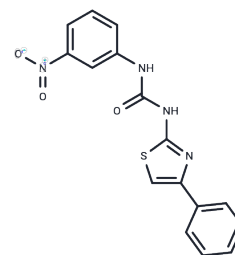


BAZ1A-IN-1

Chemical Properties

CAS No. :	941521-45-5
Formula:	C16H12N4O3S
Molecular Weight:	340.36
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	BAZ1A-IN-1 is a potent BAZ1A inhibitor with a KD value of 0.52 μ M for the BAZ1A bromodomain, demonstrating strong anti-survival activity against cancer cell lines with high BAZ1A expression and weak or no activity against cancer cells with low BAZ1A expression.
Targets(IC50)	Epigenetic Reader Domain
In vitro	Administration of BAZ1A-IN-1 (0.015-100 μ M; 96 hours) exhibits good anti-viability activity against all the four cancer cell lines that have a high expression level of BAZ1A, with IC50 values of 5.08 μ M, 4.29 μ M, 10.65 μ M, and 7.70 μ M for THP-1, ZR-75-30, BT474, and H1975 cells, respectively[1].

Solubility Information

Solubility	DMSO: 80 mg/mL (235.05 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	2.9381 mL	14.6903 mL	29.3807 mL
5 mM	0.5876 mL	2.9381 mL	5.8761 mL
10 mM	0.2938 mL	1.469 mL	2.9381 mL
50 mM	0.0588 mL	0.2938 mL	0.5876 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

Yang Z, et al. Discovery of BAZ1A bromodomain inhibitors with the aid of virtual screening and activity evaluation. Bioorg Med Chem Lett. 2021;33:127745.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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