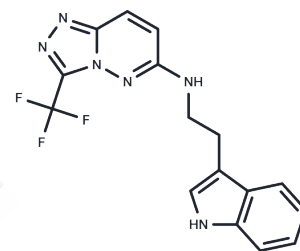


BRD4 Inhibitor-27

Chemical Properties

CAS No. :	930039-92-2
Formula:	C ₁₆ H ₁₃ F ₃ N ₆
Molecular Weight:	346.31
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	BRD4 Inhibitor-27 is a potent BRD4 inhibitor that inhibits BRD4 BD1 and BRD4 BD2 with IC ₅₀ s of 9.6 and 11.3 μM, respectively. BRD4 Inhibitor-27 has anticancer activity and can be used for breast cancer research.
Targets(IC ₅₀)	Epigenetic Reader Domain

Solubility Information

Solubility	DMSO: 55 mg/mL (158.82 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	2.8876 mL	14.4379 mL	28.8759 mL
5 mM	0.5775 mL	2.8876 mL	5.7752 mL
10 mM	0.2888 mL	1.4438 mL	2.8876 mL
50 mM	0.0578 mL	0.2888 mL	0.5775 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

Kim JH, et al. Crystal structure of [1,2,4] triazolo[4,3- b]pyridazine derivatives as BRD4 bromodomain inhibitors and structure-activity relationship study . Sci Rep 13, 10805 (2023).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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