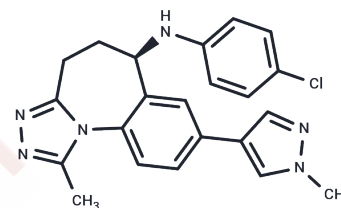


BY27

Chemical Properties

CAS No. : 2247236-59-3
 Formula: C₂₂H₂₁ClN₆
 Molecular Weight: 404.89
 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	BY27, a potent and selective BET BD2 inhibitor (K _i : 3.1 nM) with anticancer activity, inhibits BD1/BD2 of BRD2, BRD3, BRD4, and BRDT, and suppresses tumor growth.
Targets(IC50)	Epigenetic Reader Domain

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4698 mL	12.349 mL	24.6981 mL
5 mM	0.494 mL	2.4698 mL	4.9396 mL
10 mM	0.247 mL	1.2349 mL	2.4698 mL
50 mM	0.0494 mL	0.247 mL	0.494 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

Chen D, et al. Discovery, structural insight, and bioactivities of BY27 as a selective inhibitor of the second bromodomains of BET proteins. Eur J Med Chem. 2019 Aug 21;182:111633.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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