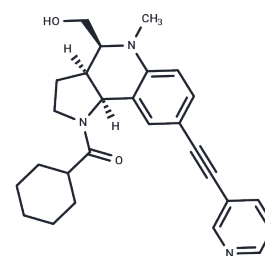


BRD20322

Chemical Properties

CAS No. : 2414154-84-8
 Formula: C₂₇H₃₁N₃O₂
 Molecular Weight: 429.55
 Storage: Store at low temperature
 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	BRD20322 is a novel potent inhibitor of spCas9 that disrupts spCas9-DNA binding and exerts dose and temporal control of spCas9 in human cell lines. It reduces off-target DNA editing events, enhancing the precision and safety of CRISPR-Cas9 gene editing.
Targets(IC50)	CRISPR/Cas9

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.328 mL	11.6401 mL	23.2802 mL
5 mM	0.4656 mL	2.328 mL	4.656 mL
10 mM	0.2328 mL	1.164 mL	2.328 mL
50 mM	0.0466 mL	0.2328 mL	0.4656 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

Maji B, et al. A High-Throughput Platform to Identify Small-Molecule Inhibitors of CRISPR-Cas9. Cell. 2019 May 2; 177(4):1067-1079.e19.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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