

NC-III-49-1

Chemical Properties

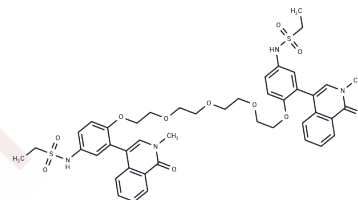
CAS No. : 3031654-46-0

Formula: C44H50N4O11S2

Molecular Weight: 875.02

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	NC-III-49-1 is a potent bivalent bromodomain and extraterminal domain (BET) inhibitor with significant affinity for various BRD4 and BRDT isoforms, as demonstrated by its Kd values of 0.095 nM for BRD4-1, 0.32 nM for BRD4-2, 0.29 nM for BRD4-T, 0.089 nM for BRDT-1, 5.5 nM for BRDT-2, and 0.058 nM for BRDT-T. Additionally, NC-III-49-1 exhibits antiproliferative effects and reduces the expression of c-Myc [1].
Targets(IC50)	Others,Epigenetic Reader Domain

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1428 mL	5.7142 mL	11.4283 mL
5 mM	0.2286 mL	1.1428 mL	2.2857 mL
10 mM	0.1143 mL	0.5714 mL	1.1428 mL
50 mM	0.0229 mL	0.1143 mL	0.2286 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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