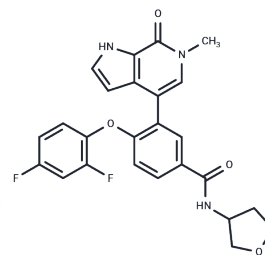


## BRD4-IN-5

## Chemical Properties

CAS No. :	1445993-41-8
Formula:	C <sub>25</sub> H <sub>21</sub> F <sub>2</sub> N <sub>3</sub> O <sub>4</sub>
Molecular Weight:	465.45
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-IN-5 (example 51), a potent BRD4 inhibitor, exhibits K <sub>i</sub> values of 9.7 nM for the BDI_K57-E168 domain and 16.1 nM for the BDII_E352-M457 domain. This compound is utilized in cancer research [1].
Targets(IC50)	Epigenetic Reader Domain
In vitro	BRD4-IN-5 (example 51) exhibits half-lives of 6 minutes, 63 minutes, and greater than 120 minutes in human, mouse, and rat liver microsomes, respectively [1]. Additionally, BRD4-IN-5 (3 days) has an EC <sub>50</sub> of 0.101 μM in inhibiting the proliferation of the breast cancer cell line MX-1 [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1485 mL	10.7423 mL	21.4846 mL
5 mM	0.4297 mL	2.1485 mL	4.2969 mL
10 mM	0.2148 mL	1.0742 mL	2.1485 mL
50 mM	0.043 mL	0.2148 mL	0.4297 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

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481