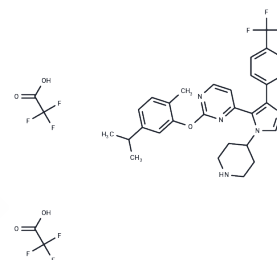


iBRD4-BD1 diTFA

Chemical Properties

CAS No. :	2839318-20-4
Formula:	C33H32F9N5O5
Molecular Weight:	749.62
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	iBRD4-BD1 diTFA is a selective BRD4 bromodomain inhibitor with an IC50 value of 12 nM. It can be used for research in inflammation and oncology [1].
Targets(IC50)	Epigenetic Reader Domain
In vitro	iBRD4-BD1 diTFA demonstrates affinity and selectivity for the BET family member BRD4-BD1, with an IC50 of 12 nM [1]. It also targets BET family members BRD4-BD2, BRD3-BD1, BRD3-BD2, BRD2-BD1, and BRD2-BD2, with IC50 values of 16 μM, 1.0 μM, 75 μM, 80 nM, and 7.1 μM, respectively [1]. In MM.1S cells, iBRD4-BD1 diTFA (0-50 μM; 72 h) exhibits cytotoxicity with an EC50 of 2.3 μM [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.334 mL	6.670 mL	13.3401 mL
5 mM	0.2668 mL	1.334 mL	2.668 mL
10 mM	0.1334 mL	0.667 mL	1.334 mL
50 mM	0.0267 mL	0.1334 mL	0.2668 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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