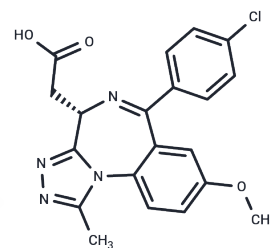


I-BET762 carboxylic acid

Chemical Properties

CAS No. :	1300019-38-8
Formula:	C ₂₀ H ₁₇ ClN ₄ O ₃
Molecular Weight:	396.83
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	I-BET762 carboxylic acid is a carboxylic acid derivative of I-BET762, a ligand that specifically targets BET, and is primarily used in the synthesis of PROTAC molecules. I-BET762 carboxylic acid is a BRD4 inhibitor with a pIC ₅₀ of 5.1.
Targets(IC ₅₀)	Epigenetic Reader Domain, Ligands for Target Protein for PROTAC
In vitro	peripheral blood mononuclear cells (PBMC) inhibited by I-BET762 carboxylic acid (pIC ₅₀ of <4).

Solubility Information

Solubility	DMSO: 80 mg/mL (201.6 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.520 mL	12.5999 mL	25.1997 mL
5 mM	0.504 mL	2.520 mL	5.0399 mL
10 mM	0.252 mL	1.260 mL	2.520 mL
50 mM	0.0504 mL	0.252 mL	0.504 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

Mirguet O, et al. Discovery of epigenetic regulator I-BET762: lead optimization to afford a clinical candidate inhibitor of the BET bromodomains. J Med Chem. 2013 Oct 10;56(19):7501-15.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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