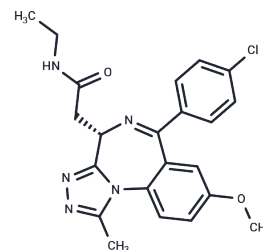


Molibresib

Chemical Properties

CAS No. : 1260907-17-2
Formula: C₂₂H₂₂ClN₅O₂
Molecular Weight: 423.9
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Molibresib (GSK525762) is an inhibitor of BET proteins (IC ₅₀ : about 35 nM).
Targets(IC ₅₀)	Epigenetic Reader Domain
Kinase Assay	Fluorescence resonance energy transfer (FRET) titrations: Fluorescence resonance energy transfer (FRET) titrations. I-BET is titrated against BRD2 (200 nM), BRD3 (100 nM) and BRD4 (50 nM) in 50 mM HEPES pH7.5, 50 mM NaCl, 0.5 mM CHAPS in the presence of tetra-acetylated Histone H4 peptide (200 nM). After equilibrating for 1 hour, the bromodomain protein : peptide interaction is detected using FRET following the addition of 2 nM Europium cryptate labelled streptavidin and 10 nM XL-665-labelled anti-6His antibody in assay buffer containing 0.05% (v/v) BSA and 400 mM KF. Plates are read using an Envision Plate reader (excitation 320 nm, emission 615 nm and 665 nm).
Cell Research	CD4 ⁺ T cells are isolated from lymph nodes and spleens of 10- to 12-wk old mice and activated with plate bound anti-CD3 and anti-CD28 antibodies in the presence of indicated cytokines. I-BET-762 compounds is included during the 60-72 h of initial activation. Over the course of 5 d of T-cell culture and expansion, the compounds is diluted 12-fold relative to the starting concentrations.(Only for Reference)

Solubility Information

Solubility	Ethanol: 39 mg/mL (92 mM), H ₂ O: < 1 mg/mL (insoluble or slightly soluble), DMSO: 78 mg/mL (184 mM), < 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

A DRUG SCREENING EXPERT

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.359 mL	11.7952 mL	23.5905 mL
5 mM	0.4718 mL	2.359 mL	4.7181 mL
10 mM	0.2359 mL	1.1795 mL	2.359 mL
50 mM	0.0472 mL	0.2359 mL	0.4718 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.

Reference

Nicodeme E, et al. Nature, 2010, 468(7327), 1119-1123.

Bandukwala HS, et al. PNAS, 2012, 109(36), 14532-14537.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 36 Washington Street, Wellesley Hills, MA 02481