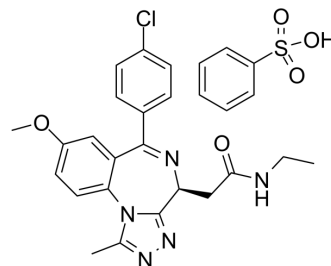


Molibresib besylate

Cat. No.:	HY-13032B
CAS No.:	1895049-20-3
Molecular Formula:	C ₂₈ H ₂₈ ClN ₅ O ₅ S
Molecular Weight:	582.07
Target:	Epigenetic Reader Domain
Pathway:	Epigenetics
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 25 mg/mL (42.95 mM; Need ultrasonic)					
		Solvent Concentration	Mass			
	Preparing Stock Solutions			1 mg	5 mg	10 mg
		1 mM		1.7180 mL	8.5900 mL	17.1801 mL
		5 mM		0.3436 mL	1.7180 mL	3.4360 mL
	10 mM		0.1718 mL	0.8590 mL	1.7180 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.67 mg/mL (4.59 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.67 mg/mL (4.59 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.67 mg/mL (4.59 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Molibresib besylate (GSK 525762C; I-BET 762 besylate) is a BET bromodomain inhibitor with IC ₅₀ of 32.5-42.5 nM.
IC ₅₀ & Target	IC ₅₀ : 32.5-42.5 nM (BET) ^[1]

CUSTOMER VALIDATION

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- Cell. 2021 Apr 15;184(8):2167-2182.e22.
 - Nat Med. 2017 Sep;23(9):1055-1062.
 - Sci Adv. 2021 Feb 19;7(8):eabe4038.
 - J Exp Med. 2017 Aug 7;214(8):2349-2368.
 - Proc Natl Acad Sci U S A. 2019 Feb 19;116(8):2961-2966.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Nicodeme E, et al. Suppression of inflammation by a synthetic histone mimic. Nature. 2010 Dec 23;468(7327):1119-23.

Caution: Product has not been fully validated for medical applications. For research use only.

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