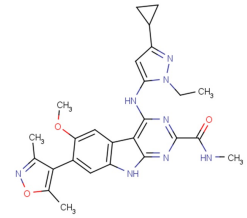


Data Sheet (Cat.No.T15484)

HJB97

Chemical Properties

CAS No.:	2093391-24-1
Formula:	C26H28N8O3
Molecular Weight:	500.55
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	HJB97 is used for the design of potential PROTAC BET degrader. It also has antitumor activity. HJB97 is a high-affinity inhibitor of BET (Kis: 0.9 nM (BRD2 BD1), 0.27 nM (BRD2 BD2), 0.18 nM (BRD3 BD1), 0.21 nM (BRD3 BD2), 0.5 nM (BRD4 BD1), 1.0 nM (BRD4 BD2), respectively).
Targets(IC ₅₀)	BRD2 BD1: 3.1nM BRD2 BD2: 3.9nM BRD3 BD1: 6.6nM BRD3 BD2: 1.9nM BRD4 BD1: 7.0nM plusmn: 0.6 nM BRD4 BD2: 7.0nM
In vitro	HJB97 is a highly potent and extra terminal (BET) inhibitor (IC ₅₀ s of 3.1 nM (BRD2 BD1), 3.9 nM (BRD2 BD2), 6.6 nM (BRD3 BD1), 1.9 nM (BRD3 BD2), 7.0 nM (BRD4 BD1), 7.0 nM (BRD4 BD2)). HJB97 can potently down-regulate the level of c-Myc at concentrations of 300-1000 nM in the RS4;11 cell line (treated for 24 h). HJB97 (10-1000 nM, 4 days) effectively inhibits cell growth in RS4;11 and MOLM-13 acute leukemia cell lines (IC ₅₀ s: 24.1 nM and 25.6 nM).

Solubility Information

Solubility	DMSO: 30 mg/mL (59.93 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.998 mL	9.989 mL	19.978 mL
5 mM	0.4 mL	1.998 mL	3.996 mL
10 mM	0.2 mL	0.999 mL	1.998 mL
50 mM	0.04 mL	0.2 mL	0.4 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Zhou B, et al. Discovery of a Small-Molecule Degradator of Bromodomain and Extra-Terminal (BET) Proteins with Picomolar Cellular Potencies and Capable of Achieving Tumor Regression. J Med Chem. 2018 Jan 25;61(2):462-481.

[Inhibitors](#) · [Natural Compounds](#) · [Compound Libraries](#)

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