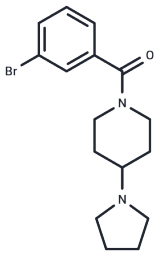
Data Sheet (Cat.No.T4012)

TargetMol

UNC926

Chemical Properties



CAS No. : 1184136-10-4

Formula: C16H21BrN2O

Molecular Weight: 337.25

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	UNC926 (UNC-926) inhibits L3MBTL1 (IC50: 3.9 μM). UNC926 also exhibits a low micromolar affinity for L3MBTL3. UNC926 inhibits binding of the 3xMBT domain to H4K20me1. It selectively and dose-dependently inhibits the L3MBTL13xMBT-H4K20me1 interaction. UNC926 has not an effect on the binding of 53BP1 to H4K20me1.
Targets(IC50)	Epigenetic Reader Domain

Solubility Information

Solubility	DMSO: 37.4 mg/mL (110.9 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (5.93 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9652 mL	14.8258 mL	29.6516 mL
5 mM	0.593 mL	2.9652 mL	5.9303 mL
10 mM	0.2965 mL	1.4826 mL	2.9652 mL
50 mM	0.0593 mL	0.2965 mL	0.593 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

Herold, J., James, L., Korboukh, V., Gao, C., Coil, K., & Bua, D. et al. (2012). Structure-activity relationships of methyl-lysine reader antagonists. Med. Chem. Commun., 3(1), 45-51. doi: 10.1039/c1md00195g.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481