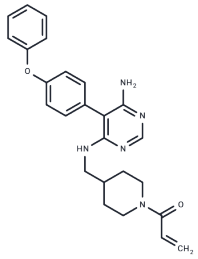
Data Sheet (Cat.No.T4387)

TargetMol

evobrutinib

Chemical Properties



CAS No. : 1415823-73-2

Formula: C25H27N5O2

Molecular Weight: 429.51

Storage: Keep away from moisture,Store at low temperature
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	Evobrutinib(M2951) , also known as M-2951 and MSC-2364447C, is a highly selective inhibitor of the Bruton's tyrosine kinase (BTK), which is important in the development and functioning of various immune cells including B -lymphocytes and macrophages. PreClinical research suggests it may be therapeutically useful in certain autoimmune diseases.
Targets(IC50)	BTK

Solubility Information

Solubility	DMSO: 25 mg/mL (58.21 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 (4.66 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	2.3282 mL	11.6412 mL	23.2823 mL
5 mM	0.4656 mL	2.3282 mL	4.6565 mL
10 mM	0.2328 mL	1.1641 mL	2.3282 mL
50 mM	0.0466 mL	0.2328 mL	0.4656 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

Crawford JJ, et al. J Med Chem. 2018, 61(6):2227-2245.
Li Z, et al. Drug Test Anal. 2018, doi: 10.12002/dta.2477.