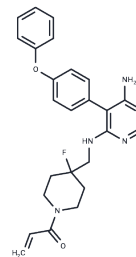


TL-895

Chemical Properties

CAS No. : 1415823-49-2
 Formula: C₂₅H₂₆N₅O₂
 Molecular Weight: 447.5
 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	TL-895 is an ATP-competitive, and highly selective irreversible inhibitor of Bruton's Tyrosine Kinase(BTK). TL-895 showed good potency with an IC ₅₀ of 1.5 nM and a K _i of 11.9 nM.
Targets(IC ₅₀)	BTK

Solubility Information

Solubility	DMSO: 250 mg/mL (558.66 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: 5 mg/mL (11.17 mM),Sonication is recommended. <i>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.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2346 mL	11.1732 mL	22.3464 mL
5 mM	0.4469 mL	2.2346 mL	4.4693 mL
10 mM	0.2235 mL	1.1173 mL	2.2346 mL
50 mM	0.0447 mL	0.2235 mL	0.4469 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

Valeria Di Battista, et al. Genetics and Pathogenetic Role of Inflammasomes in Philadelphia Negative Chronic Myeloproliferative Neoplasms: A Narrative Review. Int J Mol Sci

Richard D Caldwell, et al. Discovery of Evobrutinib: An Oral, Potent, and Highly Selective, Covalent Bruton's Tyrosine Kinase (BTK) Inhibitor for the Treatment of Immunological Diseases. J Med Chem. 2019 Sep 12;62(17): 7643-7655.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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