

Fenebrutinib

Chemical Properties

CAS No. : 1434048-34-6

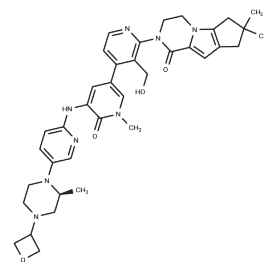
Formula: C₃₇H₄₄N₈O₄

Molecular Weight: 664.8

Store at low temperature

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	Fenebrutinib (GDC-0853) is a selective and noncovalent inhibitor of Bruton's tyrosine kinase (Btk) with a K_i of 0.91 nM.
Targets(IC50)	BTK

Solubility Information

Solubility	DMSO: 120 mg/mL (180.51 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 (3.01 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	1.5042 mL	7.5211 mL	15.0421 mL
5 mM	0.3008 mL	1.5042 mL	3.0084 mL
10 mM	0.1504 mL	0.7521 mL	1.5042 mL
50 mM	0.0301 mL	0.1504 mL	0.3008 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

Erickson RI , et al. Bruton's Tyrosine Kinase Small Molecule Inhibitors Induce a Distinct Pancreatic Toxicity in Rats. J Pharmacol Exp Ther. 2017 Jan;360(1):226-238.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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