

ACP-5862

Chemical Properties

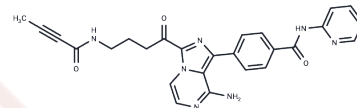
CAS No. : 2230757-47-6

Formula: C₂₆H₂₃N₇O₃

Molecular Weight: 481.51

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	ACP-5862 is a major active and pyrrolidine ring-opened metabolite of Acalabrutinib (IC ₅₀ : 5.0 nM for BTK). Acalabrutinib is an irreversible and highly selective BTK inhibitor (IC ₅₀ : 3 nM; EC ₅₀ : 8 nM).
Targets(IC ₅₀)	BTK,Cytochromes P450,Drug Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0768 mL	10.384 mL	20.768 mL
5 mM	0.4154 mL	2.0768 mL	4.1536 mL
10 mM	0.2077 mL	1.0384 mL	2.0768 mL
50 mM	0.0415 mL	0.2077 mL	0.4154 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

Podoll T, et al. Bioavailability, Biotransformation, and Excretion of the Covalent Bruton Tyrosine Kinase Inhibitor Acalabrutinib in Rats, Dogs, and Humans. Drug Metab Dispos. 2019 Feb;47(2):145-154.

Herman SE, et al. The Bruton's tyrosine kinase (BTK) inhibitor acalabrutinib demonstrates potent on-target effects and efficacy in two mouse models of chronic lymphocytic leukemia. Clin Cancer Res. 2016 Nov 30

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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