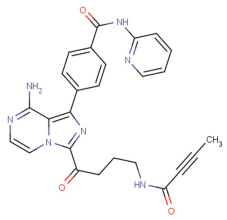
Data Sheet (Cat.No.T10240)

TargetMol
A DRUG SCREENING EXPERT

ACP-5862

Chemical Properties



CAS No.:	2230757-47-6
Formula:	C26H23N7O3
Molecular Weight:	481.51
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	ACP-5862 is a major active and pyrrolidine ring-opened metabolite of Acalabrutinib (IC50: 5.0 nM for BTK). Acalabrutinib is an irreversible and highly selective BTK inhibitor (IC50: 3 nM; EC50: 8 nM).
Targets(IC_{50})	BTK: 5.0 nM

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.077 mL	10.384 mL	20.768 mL
5 mM	0.415 mL	2.077 mL	4.154 mL
10 mM	0.208 mL	1.038 mL	2.077 mL
50 mM	0.042 mL	0.208 mL	0.415 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

1. 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.

2. 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

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