

AZD3458

Chemical Properties

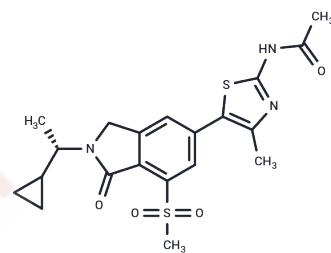
CAS No. : 2132961-46-5

Formula: C₂₀H₂₃N₃O₄S₂

Molecular Weight: 433.54

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	AZD3458 is a potent and highly selective inhibitor of PI3K γ (PI3K γ , PI3K α , PI3K β , and PI3K δ with pIC ₅₀ s of 9.1, 5.1, <4.5, and 6.5, respectively).
Targets(IC ₅₀)	PI3K
In vivo	AZD3458 (Compound 15) is a potent and remarkably selective PI3K γ inhibitor with ADME properties suitable for oral administration. Compound 15 was advanced into in vivo studies showing dose-dependent inhibition of LPS-induced airway neutrophilia in rats when administered orally.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3066 mL	11.533 mL	23.0659 mL
5 mM	0.4613 mL	2.3066 mL	4.6132 mL
10 mM	0.2307 mL	1.1533 mL	2.3066 mL
50 mM	0.0461 mL	0.2307 mL	0.4613 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

Pemberton N, et al. Discovery of Highly Isoform Selective Orally Bioavailable Phosphoinositide 3-Kinase (PI3K)- γ Inhibitors. J Med Chem. 2018 Jun 28;61(12):5435-5441.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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