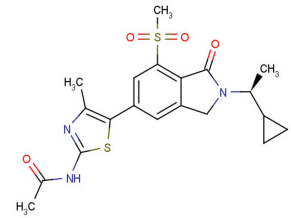


Data Sheet (Cat.No.T12466)

AZD3458

Chemical Properties

CAS No.:	2132961-46-5
Formula:	C20H23N3O4S2
Molecular Weight:	433.54
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	AZD3458 is a potent and remarkably selective inhibitor of PI3K γ (PI3K γ , PI3K α , PI3K β , and PI3K δ with pIC50s of 9.1, 5.1, <4.5, and 6.5 , respectively).
Targets(IC ₅₀)	PI3K γ : 9.1(pIC50) PI3K α : 5.1(pIC50) PI3K β : 4.5(pIC50) PI3K δ : 6.5(pIC50) PI3KC2 α : 5(pIC50) PI3KC2 β : 7.5(pIC50) PI3KC2 γ : 5.5(pIC50) PI3KC3: 5.1(pIC50)
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.

Solubility Information

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

	1mg	5mg	10mg
1 mM	2.307 mL	11.533 mL	23.066 mL
5 mM	0.461 mL	2.307 mL	4.613 mL
10 mM	0.231 mL	1.153 mL	2.307 mL
50 mM	0.046 mL	0.231 mL	0.461 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 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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.

Inhibitors · Natural Compounds · Compound Libraries

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