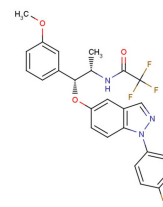


AZD5423

Chemical Properties

CAS No.:	1034148-04-3
Formula:	C ₂₅ H ₂₁ F ₄ N ₃ O ₃
Molecular Weight:	487.45
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	AZD5423 is an inhaled, potent, selective, and non-steroidal modulator of glucocorticoid receptor (GR) and it effectively reduces allergen-induced responses in subjects with mild allergic asthma.
Targets(IC ₅₀)	Glucocorticoid receptor: None
In vitro	The affinity of AZD5423 to the glucocorticoid receptor is high with an IC ₅₀ of 0.9 nM in a radioligand human glucocorticoid receptor assay. And its selectivity towards other steroid hormone receptors is >900-fold[1].

Solubility Information

Solubility	DMSO: 100 mg/mL (205.15 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.051 mL	10.257 mL	20.515 mL
5 mM	0.410 mL	2.051 mL	4.103 mL
10 mM	0.205 mL	1.026 mL	2.051 mL
50 mM	0.041 mL	0.205 mL	0.410 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. Werkström V, et al. Safety, Pharmacokinetics and Pharmacodynamics of the Selective Glucocorticoid Receptor Modulator AZD5423 after Inhalation in Healthy Volunteers. *Basic Clin Pharmacol Toxicol*. 2016 Dec;119(6):574-581.
2. Gauvreau GM, et al. A nonsteroidal glucocorticoid receptor agonist inhibits allergen-induced late asthmatic responses. *Am J Respir Crit Care Med*. 2015 Jan 15;191(2):161-7.

Inhibitors · Natural Compounds · Compound Libraries

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