

Product Data Sheet

Product Name: AZD5423

Cat. No.: GC64949

Chemical Properties

Cas. No. 1034148-04-3

Formula C₂₅H₂₁F₄N₃O₃

M.Wt 487.45

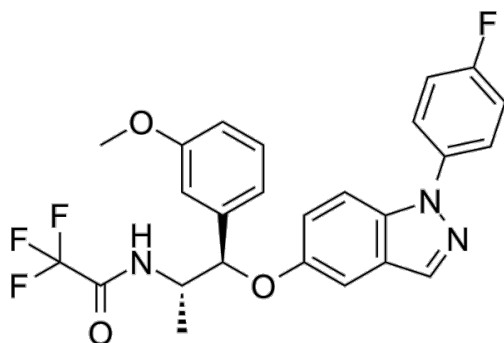
Solubility DMSO : 100 mg/mL (205.15 mM;
Need ultrasonic)

Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

AZD5423 is an inhaled, potent, selective, and non-steroidal glucocorticoid receptor (GR) modulator (SGRM)[1]. AZD5423 effectively reduces allergen-induced responses in subjects with mild allergic

Caution: Product has not been fully validated for medical applications. For research use only.

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asthma[2].

The affinity of AZD5423 to the glucocorticoid receptor is high with an IC₅₀ of 0.9 nM in a radioligand human glucocorticoid receptor assay, and selectivity towards other steroid hormone receptors is >900-fold[1].

[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.

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