

CAY10595

Chemical Properties

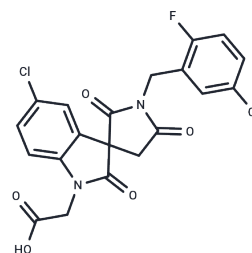
CAS No. : 916047-16-0

Formula: C₂₀H₁₃Cl₂FN₂O₅

Molecular Weight: 451.23

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	CAY10595 is an antagonist of the CRTh2 (DP2) receptor with a K_i of 10 nM.
Targets(IC50)	GPCR, Prostaglandin Receptor
In vivo	CAY10595 slightly delays the development of CIA and reduces IgG2a anti-CII levels without modification of the levels of IgG anti-CII[2].

Solubility Information

Solubility	DMSO: 50 mg/mL (110.81 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2162 mL	11.0808 mL	22.1616 mL
5 mM	0.4432 mL	2.2162 mL	4.4323 mL
10 mM	0.2216 mL	1.1081 mL	2.2162 mL
50 mM	0.0443 mL	0.2216 mL	0.4432 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

Crosignani S, et al. Discovery of a new class of potent, selective, and orally bioavailable CRTH2 (DP2) receptor antagonists for the treatment of allergic inflammatory diseases. *J Med Chem.* 2008 Apr 10;51(7):2227-43.

Maicas N, et al. Prostaglandin D2 regulates joint inflammation and destruction in murine collagen-induced arthritis. *Arthritis Rheum.* 2012 Jan;64(1):130-40.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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