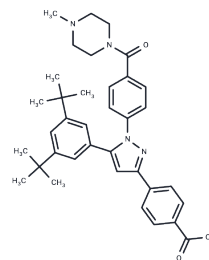


LY2955303

Chemical Properties

CAS No. : 1433497-19-8
 Formula: C₃₆H₄₂N₄O₃
 Molecular Weight: 578.74
 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	LY2955303 is an effective and selective antagonist of retinoic acid receptor gamma (RAR γ , K _i = 1.09 nM).
Targets(IC50)	Retinoid Receptor, Autophagy
In vitro	The functional K _i for RAR γ is 7.1 \pm 4.9 nM. The binding K _i s of LY2955303 for RAR α , RAR β , and RAR γ are >1700, >2980, and 1.09 nM, respectively[1].
In vivo	A single dose of LY2955303(oral) showed a dose-response effect in rats with different weight-bearing reductions with an ED ₅₀ of 0.72 mg/kg[1].

Solubility Information

Solubility	DMSO: 25 mg/mL (43.2 mM), Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7279 mL	8.6395 mL	17.2789 mL
5 mM	0.3456 mL	1.7279 mL	3.4558 mL
10 mM	0.1728 mL	0.8639 mL	1.7279 mL
50 mM	0.0346 mL	0.1728 mL	0.3456 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

Hughes NE, et al. Identification of potent and selective retinoic acid receptor gamma (RAR γ) antagonists for the treatment of osteoarthritis pain using structure based drug design. Bioorg Med Chem Lett. 2016 Jul 15;26(14): 3274-3277.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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