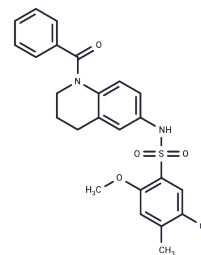


Glucocorticoid receptor modulator 1

Chemical Properties

CAS No. :	2868357-11-1
Formula:	C ₂₄ H ₂₃ ClN ₂ O ₄ S
Molecular Weight:	470.97
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	Glucocorticoid receptor modulator 1 is a highly effective and orally administered NF-κB and AP-1 inhibitor with IC ₅₀ values of 9 nM and 130 nM, respectively. It can downregulate the expression of inflammatory factors IL-6, IL-1β, TNF-α, and MMP-13, thereby alleviating skin inflammation.
Targets(IC ₅₀)	MMP,Glucocorticoid Receptor,NF-κB,DNA/RNA Synthesis,IL Receptor,TNF
In vitro	Methods: RAW264.7 cells were treated with Glucocorticoid receptor modulator 1 (10 μM, 24 hours), and the expression of related mRNA was detected by qPCR. Results: Glucocorticoid receptor modulator 1 reduced the mRNA expression of inflammatory factors such as IL-6, IL-1β, TSLP, MMP-13, TNF-α and CCL-2 in RAW264.7 cells. [1]

Solubility Information

Solubility	DMSO: 80 mg/mL (169.86 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	2.1233 mL	10.6164 mL	21.2328 mL
5 mM	0.4247 mL	2.1233 mL	4.2466 mL
10 mM	0.2123 mL	1.0616 mL	2.1233 mL
50 mM	0.0425 mL	0.2123 mL	0.4247 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

Li D, Hou T, et al. Discovery and Optimization of N-Acyl-6-sulfonamide-tetrahydroquinoline Derivatives as Novel Non-Steroidal Selective Glucocorticoid Receptor Modulators. J Med Chem. 2022 Nov 18.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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