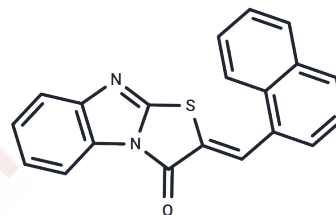


Anti-inflammatory agent 42

Chemical Properties

CAS No. :	877468-30-9
Formula:	C ₂₀ H ₁₂ N ₂ O ₂ S
Molecular Weight:	328.39
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Anti-inflammatory agent 42 has anti-inflammatory activity and inhibits the expression of TNF- α and IL-6 in LPS-stimulated macrophages.
Targets(IC50)	IL Receptor, Interleukin, TNF
In vitro	The anti-inflammatory agent 42 (Compound 10j; 10 μ M; 2 h) inhibits TNF- α and IL-6 secretion in LPS-induced RAW 264.7 macrophages[1].

Solubility Information

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

	1mg	5mg	10mg
1 mM	3.0452 mL	15.2258 mL	30.4516 mL
5 mM	0.609 mL	3.0452 mL	6.0903 mL
10 mM	0.3045 mL	1.5226 mL	3.0452 mL
50 mM	0.0609 mL	0.3045 mL	0.609 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

Hu J, et al. Synthesis and biological evaluation of novel thiazolidinone derivatives as potential anti-inflammatory agents. Eur J Med Chem. 2013 Jun;64:292-301.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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