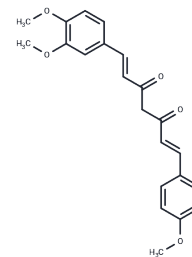


Di-O-methyldemethoxycurcumin

Chemical Properties

CAS No. :	824951-60-2
Formula:	C ₂₂ H ₂₂ O ₅
Molecular Weight:	366.41
Storage:	Keep away from moisture, Keep away from direct sunlight 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	Di-O-methyldemethoxycurcumin (EC ₅₀ = 16.20 µg/mL) is a curcumin analog that inhibits IL-6 production and possesses both anti-inflammatory and antioxidant activities.
Targets(IC50)	Interleukin

Solubility Information

Solubility	DMSO: 13.34 mg/mL (36.41 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	2.7292 mL	13.6459 mL	27.2918 mL
5 mM	0.5458 mL	2.7292 mL	5.4584 mL
10 mM	0.2729 mL	1.3646 mL	2.7292 mL
50 mM	0.0546 mL	0.2729 mL	0.5458 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

Nuntana Aroonrerk, et al. Inhibitory effects of di-O-demethylcurcumin on interleukin-1 β -induced interleukin-6 production from human gingival fibroblasts. J Dent Sci. 2012 Dec;7(14): 350-358.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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