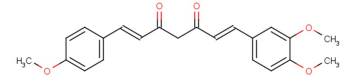


Data Sheet (Cat.No.T11034)

Di-O-methyldemethoxycurcumin

Chemical Properties

CAS No.:	824951-60-2
Formula:	C ₂₂ H ₂₂ O ₅
Molecular Weight:	366.41
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Di-O-methyldemethoxycurcumin is a Curcumin analog isolated from medicinal plant turmeric di-orthomethyldemethoxycurcumin, anti-inflammatory and antioxidant properties Inhibition of IL-6 production, EC50 is 16.20µg/mL.
Targets(IC ₅₀)	IL-6: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.729 mL	13.646 mL	27.292 mL
5 mM	0.546 mL	2.729 mL	5.458 mL
10 mM	0.273 mL	1.365 mL	2.729 mL
50 mM	0.055 mL	0.273 mL	0.546 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

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

Inhibitors · Natural Compounds · Compound Libraries

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