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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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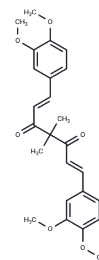
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Tetramethylcurcumin

Chemical Properties

CAS No. :	52328-97-9
Formula:	C ₂₅ H ₂₈ O ₆
Molecular Weight:	424.49
Appearance:	no data available
Storage:	store at low temperature
	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Tetramethylcurcumin is a novel curcumin analog, is an effective inhibitors of STAT3 phosphorylation, DNA binding activity, and transactivation in vitro.it also inhibits colony formation in soft agar, cell invasion, and exhibit synergy with the anti-cancer drug doxorubicin against breast cancer cells.
Targets(IC50)	Apoptosis,STAT

Solubility Information

Solubility	DMSO: 25 mg/mL (58.89 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3558 mL	11.7788 mL	23.5577 mL
5 mM	0.4712 mL	2.3558 mL	4.7115 mL
10 mM	0.2356 mL	1.1779 mL	2.3558 mL
50 mM	0.0471 mL	0.2356 mL	0.4712 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.

Reference

Yuan S, et al. FLLL31, a derivative of curcumin, attenuates airway inflammation in a multi-allergen challenged mouse model. Int Immunopharmacol. 2014 Jul;21(1):128-36.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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