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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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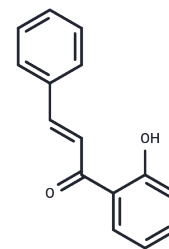
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2'-Hydroxychalcone

Chemical Properties

CAS No. :	1214-47-7
Formula:	C ₁₅ H ₁₂ O ₂
Molecular Weight:	224.25
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	2'-Hydroxychalcone is a drug synthesis intermediate for the synthesis of flavonoids. 2'-Hydroxychalcone loaded in nanoemulsion showed fungicidal activity against <i>Coccidioides parapsilosis</i> in <i>Danio rerio</i> model. 2'-Hydroxychalcone induced cytotoxicity through oxidative stress in lipid-loaded Hepg2 cells. 2'-Hydroxychalcone inhibited the induction of ICAM-1, VCAM- α , tumor necrosis factor- α , and tumor necrosis factor- α as determined by reverse transcription-polymerase chain reaction determined by tumor necrosis factor- α induces steady-state transcript levels of ICAM-1, VCAM-1, and E-selectin, and therefore may interfere with the transcription of their genes.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 27.5 mg/mL (122.63 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4593 mL	22.2965 mL	44.5931 mL
5 mM	0.8919 mL	4.4593 mL	8.9186 mL
10 mM	0.4459 mL	2.2297 mL	4.4593 mL
50 mM	0.0892 mL	0.4459 mL	0.8919 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

Roy T, et al. Synthesis, inverse docking-assisted identification and in vitro biological characterization of Flavonol-based analogs of fisetin as c-Kit, CDK2 and mTOR inhibitors against melanoma and non-melanoma skin cancers.

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