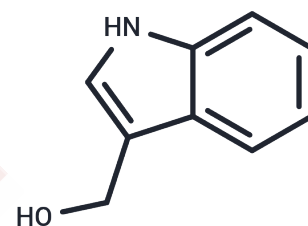


Indole-3-carbinol

Chemical Properties

CAS No. : 700-06-1
Formula: C₉H₉NO
Molecular Weight: 147.17
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Indole-3-carbinol (I3C), a naturally occurring, orally available cleavage product of the glucosinolate glucobrassicinin, inhibits NF-κB and IκBα kinase activation.
Targets(IC50)	E1/E2/E3 Enzyme,NF-κB,Aryl Hydrocarbon Receptor,Endogenous Metabolite,p53

Solubility Information

Solubility	DMSO: 1.61 mg/mL (10.92 mM),Sonication is recommended. Ethanol: 28 mg/mL (190.26 mM),Sonication is recommended. H2O: 7 mg/mL (47.56 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	6.7949 mL	33.9743 mL	67.9486 mL
5 mM	1.359 mL	6.7949 mL	13.5897 mL
10 mM	0.6795 mL	3.3974 mL	6.7949 mL
50 mM	0.1359 mL	0.6795 mL	1.359 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

Lin H, et al. Biochem Biophys Res Commun. 2015 May 1;460(2):422-7.

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