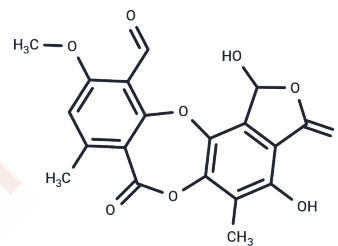


## Stictic Acid

## Chemical Properties

CAS No. :	549-06-4
Formula:	C <sub>19</sub> H <sub>14</sub> O <sub>9</sub>
Molecular Weight:	386.31
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Stictic Acid (Scopularic acid) is isolated from a Sumatran lichen <i>Stereocaulon montagneanum</i> and inhibits the growth of HT-29 human colon adenocarcinoma cells with an IC <sub>50</sub> of 29.29 µg/mL.
Targets(IC <sub>50</sub> )	Others,Antifungal

## Solubility Information

Solubility	DMSO: 11 mg/mL (28.47 mM),Sonication is recommended. DMF: Soluble Methanol: Soluble Ethanol: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5886 mL	12.943 mL	25.8859 mL
5 mM	0.5177 mL	2.5886 mL	5.1772 mL
10 mM	0.2589 mL	1.2943 mL	2.5886 mL
50 mM	0.0518 mL	0.2589 mL	0.5177 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

Ismed F, et al. NMR reassignment of stictic acid isolated from a Sumatran lichen *Stereocaulon montagneanum* (Stereocaulaceae) with superoxide anion scavenging activities. *Z Naturforsch C J Biosci.* 2017 Jan 1;72(1-2):55-62.  
Kosanic M, et al. Biological activities and chemical composition of lichens from Serbia. *EXCLI J.* 2014 Nov 18;13:1226-38.

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