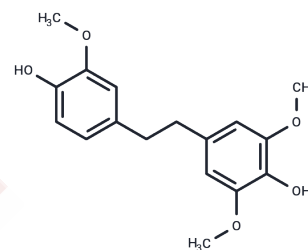


## Dendrophenol

## Chemical Properties

CAS No. :	108853-14-1
Formula:	C <sub>17</sub> H <sub>20</sub> O <sub>5</sub>
Molecular Weight:	304.34
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	Dendrophenol (Moscaticin) is a natural product isolated from the stem of <i>Dendrobium loddigesii</i> Rolfe, act as a NF-κB inhibitor. Antineoplastic activity.
Targets(IC50)	Apoptosis,NF-κB,HIF/HIF Prolyl-Hydroxylase,COX,JNK,Wnt/beta-catenin

## Solubility Information

Solubility	DMSO: 100 mg/mL (328.58 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 4 mg/mL (13.14 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2858 mL	16.429 mL	32.858 mL
5 mM	0.6572 mL	3.2858 mL	6.5716 mL
10 mM	0.3286 mL	1.6429 mL	3.2858 mL
50 mM	0.0657 mL	0.3286 mL	0.6572 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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