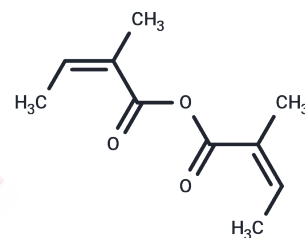


## Angelic anhydride

## Chemical Properties

CAS No. :	94487-74-8
Formula:	C <sub>10</sub> H <sub>14</sub> O <sub>3</sub>
Molecular Weight:	182.22
Storage:	High Volatility Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Angelic anhydride ((Z)-2-Methylbut-2-enoic anhydride) is a reagent in the improved synthesis of angelate esters, which are the active chemical behind the strong pain-relieving and spasmolytic action of extracts from the plant butterbur.
Targets(IC50)	Others

## Solubility Information

Solubility	Chloroform, Dichloromethane, Ethyl Acetate, Acetone, etc.: Soluble, DMSO: 70 mg/mL (384.15 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	5.4879 mL	27.4394 mL	54.8787 mL
5 mM	1.0976 mL	5.4879 mL	10.9757 mL
10 mM	0.5488 mL	2.7439 mL	5.4879 mL
50 mM	0.1098 mL	0.5488 mL	1.0976 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

- Sonobe, H., et al.: J. Agricul. Food Chem., 29 (6), 1125 (1981);  
Liang, X., Grue-Sørensen, G., Petersen, A., & Högberg, T. (2012). Semisynthesis of Ingenol 3-Angelate (PEP2005): Efficient Stereoconservative Angeloylation of Alcohols. Synlett, 23(18), 2647-2652. doi: 10.1055/s-20032-1317415

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