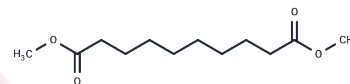


Sebacic acid dimethyl ester

Chemical Properties

CAS No. :	106-79-6
Formula:	C ₁₂ H ₂₂ O ₄
Molecular Weight:	230.30
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	Dimethyl sebacate was used in the biosynthesis of oligomeric sebacates, lubricant oils. Dimethyl sebacate was a convenient starting material for cyclization of N-Succinylglycine dimethyl ester. Dimethyl sebacate was also used to prepare polytetramethylene sebacate.
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Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3422 mL	21.7108 mL	43.4216 mL
5 mM	0.8684 mL	4.3422 mL	8.6843 mL
10 mM	0.4342 mL	2.1711 mL	4.3422 mL
50 mM	0.0868 mL	0.4342 mL	0.8684 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

Ma HF, Liu B, Zhang GY, Shi RB, Ma CH, Yu MM. [GC-MS analysis of the fatty components of pollen Typhae before and after being carbonized]. Zhongguo Zhong Yao Za Zhi. 2006 Feb;31(3):200-2. Chinese. PubMed PMID: 16572997.

Gosteva LI, Fedonina VF. [Determination of sebacic acid dimethyl ester in natural and sewage waters by the gas-chromatographic method]. Gig Sanit. 1984 Jan;(1):51. Russian. PubMed PMID: 6706161.

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