

Diisobutyl adipate

Chemical Properties

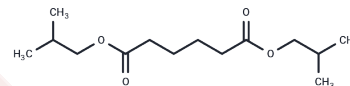
CAS No. : 141-04-8

Formula: C₁₄H₂₆O₄

Molecular Weight: 258.36

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	Diisobutyl adipate is a diester. It is used in disinfectants.
Targets(IC50)	Others

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	3.8706 mL	19.3528 mL	38.7057 mL
5 mM	0.7741 mL	3.8706 mL	7.7411 mL
10 mM	0.3871 mL	1.9353 mL	3.8706 mL
50 mM	0.0774 mL	0.3871 mL	0.7741 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

- Rubio L, Sarabia LA, Ortiz MC. Effect of the cleaning procedure of Tenax on its reuse in the determination of plasticizers after migration by gas chromatography/mass spectrometry. *Talanta*. 2018 May 15;182:505-522. doi: 10.1016/j.talanta.2018.02.011. Epub 2018 Feb 8. PubMed PMID: 29501186.
- Oca ML, Rubio L, Sarabia LA, Ortiz MC. Dealing with the ubiquity of phthalates in the laboratory when determining plasticizers by gas chromatography/mass spectrometry and PARAFAC. *J Chromatogr A*. 2016 Sep 16;1464:124-40. doi: 10.1016/j.chroma.2016.07.074. Epub 2016 Jul 29. PubMed PMID: 27507728.
- Ates E, Mittendorf K, Senyuva H. An automated online turboflow cleanup LC/MS/MS method for the determination of 11 plasticizers in beverages and milk. *J AOAC Int*. 2013 Sep-Oct;96(5):1092-100. PubMed PMID: 24282953.
- Schossler P, Schripp T, Salthammer T, Bahadir M. Beyond phthalates: gas phase concentrations and modeled gas/particle distribution of modern plasticizers. *Sci Total Environ*. 2011 Sep 1;409(19):4031-8. doi: 10.1016/j.scitotenv.2011.06.012. Epub 2011 Jul 18. PubMed PMID: 21764421.

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