

## Di-n-octyl adipate

## Chemical Properties

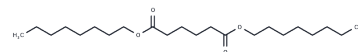
CAS No. : 123-79-5

Formula: C<sub>22</sub>H<sub>42</sub>O<sub>4</sub>

Molecular Weight: 370.57

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	Diocetyl adipate is a colorless oily liquid. Diocetyl adipate is used as a plasticizer. It also is used in proteomics research.
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	2.6985 mL	13.4927 mL	26.9855 mL
5 mM	0.5397 mL	2.6985 mL	5.3971 mL
10 mM	0.2699 mL	1.3493 mL	2.6985 mL
50 mM	0.054 mL	0.2699 mL	0.5397 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

Jeon SH, Kim YP, Kho Y, Shin JH, Ji WH, Ahn YG. Development and Validation of Gas Chromatography-Triple Quadrupole Mass Spectrometric Method for Quantitative Determination of Regulated Plasticizers in Medical Infusion Sets. *J Anal Methods Chem*. 2018 Feb 5;2018:9470254. doi: 10.1155/2018/9470254. eCollection 2018. PubMed PMID: 29629214; PubMed Central PMCID: PMC5832103.

Socas-Rodríguez B, González-Sálamo J, Herrera-Herrera AV, Santana-Mayor Á, Hernández-Borges J. Determination of phthalic acid esters in different baby food samples by gas chromatography tandem mass spectrometry. *Anal Bioanal Chem*. 2018 Mar 9. doi: 10.1007/s00216-018-0977-y. [Epub ahead of print] PubMed PMID: 29523939.

González-Sálamo J, Socas-Rodríguez B, Hernández-Borges J, Rodríguez-Delgado MÁ. Determination of phthalic acid esters in water samples using core-shell poly(dopamine) magnetic nanoparticles and gas chromatography tandem mass spectrometry. *J Chromatogr A*. 2017 Dec 29;1530:35-44. doi: 10.1016/j.chroma.2017.11.013. Epub 2017 Nov 8. PubMed PMID: 29146426.

Jo SH, Kim KH, Kim YH. A novel quantitation method for phthalates in air using a combined thermal desorption/gas chromatography/mass spectrometry application. *Anal Chim Acta*. 2016 Nov 9;944:29-36. doi: 10.1016/j.aca.2016.09.037. Epub 2016 Oct 5. PubMed PMID: 27776636.

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