Data Sheet (Cat.No.T20272)

TargetMol

Diethyl adipate

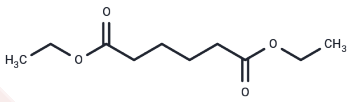
Chemical Properties

CAS No. : 141-28-6

Formula: C10H18O4

Molecular Weight: 202.25

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	Diethyl adipate has an effect of antifertility.
Targets(IC50)	Others

Solubility Information

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

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.9444 mL	24.7219 mL	49.4438 mL
5 mM	0.9889 mL	4.9444 mL	9.8888 mL
10 mM	0.4944 mL	2.4722 mL	4.9444 mL
50 mM	0.0989 mL	0.4944 mL	0.9889 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

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.

Cao Y, Elmahdy A, Zhu H, Hui X, Maibach H. Binding affinity and decontamination of dermal decontamination gel to model chemical warfare agent simulants. J Appl Toxicol. 2018 May;38(5):724-733. doi: 10.1002/jat.3580. Epub 2018 Jan 7. PubMed PMID: 29315700.

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.

van Nuland YM, Eggink G, Weusthuis RA. Combination of ester biosynthesis and ω-oxidation for production of mono-ethyl dicarboxylic acids and di-ethyl esters in a whole-cell biocatalytic setup with Escherichia coli. Microb Cell Fact. 2017 Nov 2;16(1):185. doi: 10.1186/s12934-017-0803-9. PubMed PMID: 29096635; PubMed Central PMCID: PMC5667465.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481