

Bis(2-ethylhexyl)hexanedioate

Chemical Properties

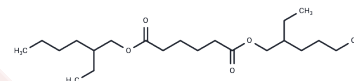
CAS No. : 103-23-1

Formula: C₂₂H₄₂O₄

Molecular Weight: 370.57

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Bis(2-ethylhexyl)hexanedioate (NSC 56775) is a diester produced by the formal condensation of the carboxyl group of adipic acid with 2-ethylhexan-1-ol, and is used as a plasticizer in the preparation of various polymers.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 8 mg/mL (21.59 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

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

Aneck-Hahn NH, et al. Estrogenic activity, selected plasticizers and potential health risks associated with bottled water in South Africa. *J Water Health*. 2018 Apr;16(2):253-262.

Jeon SH, et al. 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.

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.

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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