

Bis(2-ethylhexyl) terephthalate

Chemical Properties

CAS No. : 6422-86-2

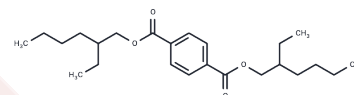
Formula: C₂₄H₃₈O₄

Molecular Weight: 390.56

Keep away from moisture

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) terephthalate is a synthetic plasticizer for polyvinyl chloride (PVC), used in the synthesis of artificial leather films and rubber.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 5 mg/mL (12.8 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5604 mL	12.8021 mL	25.6043 mL
5 mM	0.5121 mL	2.5604 mL	5.1209 mL
10 mM	0.256 mL	1.2802 mL	2.5604 mL
50 mM	0.0512 mL	0.256 mL	0.5121 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

- Moldoveanu SC, et al. Critical evaluation of several techniques for the analysis of phthalates and terephthalates: Application to liquids used in electronic cigarettes. *J Chromatogr A*. 2018 Mar 9;1540:77-86.
- Alves A, et al. Case Study on Screening Emerging Pollutants in Urine and Nails. *Environ Sci Technol*. 2017 Apr 4;51(7):4046-4053.
- Grymel Aleksander, et al. Sustainable method for the synthesis of alternative Bis (2-Ethylhexyl) terephthalate plasticizer in the presence of protic ionic liquids. *Catalysts* 10.4 (2020): 457.
- Kdimy Ayoub, et al. Isolation of Bis (2-Ethylhexyl) Terephthalate and Bis (2-Ethylhexyl) Phthalate from *Capparis spinosa* L. Leaves. (2022).

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