

## Bis(2-ethylhexyl) sebacate

## Chemical Properties

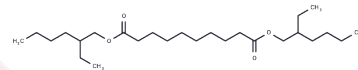
CAS No. : 122-62-3

Formula: C<sub>26</sub>H<sub>50</sub>O<sub>4</sub>

Molecular Weight: 426.68

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	Bis(2-ethylhexyl) sebacate is used as a plasticizer in preparing ion-selective electrodes. It is an important raw material and intermediate used in organic synthesis, agrochemicals, pharmaceuticals and dyestuff fields.
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## 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	2.3437 mL	11.7184 mL	23.4368 mL
5 mM	0.4687 mL	2.3437 mL	4.6874 mL
10 mM	0.2344 mL	1.1718 mL	2.3437 mL
50 mM	0.0469 mL	0.2344 mL	0.4687 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

Hao J, Xiao T, Wu F, Yu P, Mao L. High Antifouling Property of Ion-Selective Membrane: toward In Vivo Monitoring of pH Change in Live Brain of Rats with Membrane-Coated Carbon Fiber Electrodes. *Anal Chem*. 2016 Nov 15;88(22):11238-11243. Epub 2016 Oct 25. PubMed PMID: 27739307.

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Xie X, Bakker E. Determination of Effective Stability Constants of Ion-Carrier Complexes in Ion Selective Nanospheres with Charged Solvatochromic Dyes. *Anal Chem*. 2015 Nov 17;87(22):11587-91. doi: 10.1021/acs.analchem.5b03526. Epub 2015 Nov 5. PubMed PMID: 26502342.

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