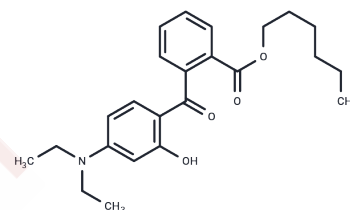


Diethylamino hydroxybenzoyl hexyl benzoate

Chemical Properties

CAS No. :	302776-68-7
Formula:	C ₂₄ H ₃₁ N ₂ O ₄
Molecular Weight:	397.51
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	Diethylamino hydroxybenzoyl hexyl benzoate (DHHB) is a UV-A absorber with photostability.
Targets(IC50)	Others
In vitro	Diethylaminohydroxybenzoylhexyl benzoate (DHHB) absorbs UV-A radiation and its peak is at 354 nm. At 25 °C, the molar absorption coefficient of diethylaminohydroxybenzoylhexyl benzoate in EtOH is 39 000 mol / dm ³ / cm.

Solubility Information

Solubility	DMSO: 55 mg/mL (138.36 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	2.5157 mL	12.5783 mL	25.1566 mL
5 mM	0.5031 mL	2.5157 mL	5.0313 mL
10 mM	0.2516 mL	1.2578 mL	2.5157 mL
50 mM	0.0503 mL	0.2516 mL	0.5031 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

Shamoto Y, et al. Photophysical properties of hexyl diethylaminohydroxybenzoylbenzoate (Uvinul A Plus), a UV-A absorber. Photochem Photobiol Sci. 2017 Sep 13;16(9):1449-1457.

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