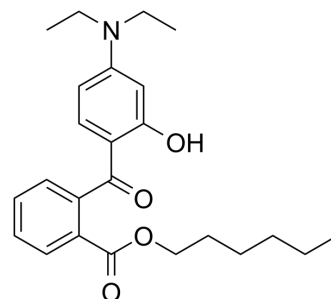


Diethylamino hydroxybenzoyl hexyl benzoate

Cat. No.: HY-109656
CAS No.: 302776-68-7
Molecular Formula: C₂₄H₃₁NO₄
Molecular Weight: 397.51
Target: Others
Pathway: Others
Storage: 4°C, protect from light
 * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 50 mg/mL (125.78 mM)

* "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	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

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Diethylamino hydroxybenzoyl hexyl benzoate is a photostable UV-A absorber.

In Vitro

Diethylamino hydroxybenzoyl hexyl benzoate (DHBB) absorbs UV-A radiation with a peak at 354 nm. The molar absorption coefficient of Diethylamino hydroxybenzoyl hexyl benzoate in EtOH at 25°C is obtained to be 39 000 mol/dm³/cm at 354 nm. The emission spectrum of Diethylamino hydroxybenzoyl hexyl benzoate in EtOH is dependent on the excitation wavelength [1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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