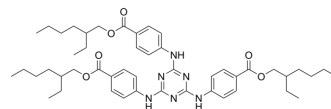


Ethylhexyl triazone

Cat. No.:	HY-109655
CAS No.:	88122-99-0
Molecular Formula:	C ₄₈ H ₆₆ N ₆ O ₆
Molecular Weight:	823.07
Target:	Biochemical Assay Reagents
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 : 30 mg/mL (36.45 mM; Need ultrasonic and warming)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	1.2150 mL	6.0748 mL	12.1496 mL
				5 mM	0.2430 mL	1.2150 mL	2.4299 mL
				10 mM	0.1215 mL	0.6075 mL	1.2150 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (3.04 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (3.04 mM); Suspended solution; Need ultrasonic						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (3.04 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	Ethylhexyl triazone is an approved ultraviolet-B (UV-B) chemical filter for commercial sunscreens.
In Vitro	One property of Ethylhexyl triazone (EHT) is its large molecular weight (823.07 g/mol); such filters are unlikely to penetrate the skin, thereby reducing effects associated with such skin penetration. It displays a broad absorption profile across the UV-B region, with a maximum absorption at ~311 and ~313 nm for Ethylhexyl triazone-dioxane and Ethylhexyl triazone-methanol, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Pinto-Bazurco Mendieta MA, et al. Highly potent and selective nonsteroidal dual inhibitors of CYP17/CYP11B2 for the treatment of prostate cancer to reduce risks of cardiovascular diseases. J Med Chem. 2013 Aug 8;56(15):6101-7.

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

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