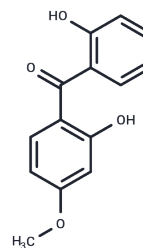


Dioxybenzone

Chemical Properties

CAS No. :	131-53-3
Formula:	C ₁₄ H ₁₂ O ₄
Molecular Weight:	244.24
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Dioxybenzone (Benzophenone-8) is an organic agent that blocks UVB and short-wave UVA ultraviolet radiation.
Targets(IC50)	Others

Solubility Information

Solubility	Ethanol: 45 mg/mL (184.25 mM), Sonication is recommended. H ₂ O: < 1 mg/mL (insoluble or slightly soluble), DMSO: 65 mg/mL (266.13 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	4.0943 mL	20.4717 mL	40.9433 mL
5 mM	0.8189 mL	4.0943 mL	8.1887 mL
10 mM	0.4094 mL	2.0472 mL	4.0943 mL
50 mM	0.0819 mL	0.4094 mL	0.8189 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.

Reference

Rao GS, et al. AntiY Res. 2013 Jun;33(6):2535-40.

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