

Sulisobenzone

Chemical Properties

CAS No. :	4065-45-6
Formula:	C ₁₄ H ₁₂ O ₆ S
Molecular Weight:	308.306
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	Sulisobenzone (Sungard) (benzophenone-4), an ingredient in certain sunblocks, protects the skin against damage by short-wave UVA ultraviolet light and UVB.
Targets(IC50)	Others

Solubility Information

Solubility	H ₂ O: 56.00 mg/mL (181.64 mM),Sonication is recommended. DMSO: 50.00 mg/mL (162.18 mM),Sonication is recommended. Ethanol: 57.00 mg/mL (184.88 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	3.2435 mL	16.2174 mL	32.4349 mL
5 mM	0.6487 mL	3.2435 mL	6.487 mL
10 mM	0.3243 mL	1.6217 mL	3.2435 mL
50 mM	0.0649 mL	0.3243 mL	0.6487 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

Nohynek GJ, Schaefer H. Regul Toxicol Pharmacol. 2001 Jun;33(3):285-99.

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