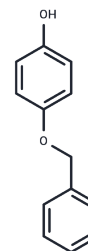


Monobenzone

Chemical Properties

CAS No. :	103-16-2
Formula:	C ₁₃ H ₁₂ O ₂
Molecular Weight:	200.23
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Monobenzone (Benoquin) is a Depigmenting Agent. The mechanism of action of monobenzone is as a Melanin Synthesis Inhibitor. The physiologic effect of monobenzone is by means of Depigmenting Activity.
Targets(IC50)	Tyrosinase

Solubility Information

Solubility	Ethanol: 38 mg/mL (189.78 mM), Sonication is recommended. DMSO: 45 mg/mL (224.74 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	4.9943 mL	24.9713 mL	49.9426 mL
5 mM	0.9989 mL	4.9943 mL	9.9885 mL
10 mM	0.4994 mL	2.4971 mL	4.9943 mL
50 mM	0.0999 mL	0.4994 mL	0.9989 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

Chen YR, et al. J Agric Food Chem. 2009 Mar 25;57(6):2200-5.

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