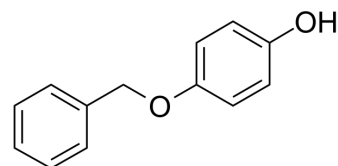


Monobenzone

Cat. No.:	HY-30272		
CAS No.:	103-16-2		
Molecular Formula:	C ₁₃ H ₁₂ O ₂		
Molecular Weight:	200.23		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (499.43 mM)

* "≥" means soluble, but saturation unknown.

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

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: ≥ 2.08 mg/mL (10.39 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (10.39 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (10.39 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Monobenzone is a potent skin depigmenting agent. Monobenzone induces depigmentation and active human vitiligo and exhibits good potential for vitiligo research^[1].

REFERENCES

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA