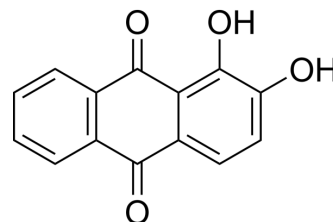


Alizarin

Cat. No.:	HY-N0563		
CAS No.:	72-48-0		
Molecular Formula:	C ₁₄ H ₈ O ₄		
Molecular Weight:	240.21		
Target:	Fluorescent Dye		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 25 mg/mL (104.08 mM; Need ultrasonic)
 H₂O : < 0.1 mg/mL (insoluble)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	4.1630 mL	20.8151 mL	41.6302 mL
	5 mM	0.8326 mL	4.1630 mL	8.3260 mL
	10 mM	0.4163 mL	2.0815 mL	4.1630 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
 Solubility: 2.5 mg/mL (10.41 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: 2.5 mg/mL (10.41 mM); Suspended solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

Alizarin is a natural dye extracted from the roots of madder plant and has been widely used as a pigment in textile fabrics and paintings^[1].

CUSTOMER VALIDATION

- Molecules. 2023 Oct 31, 28(21), 7373.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Jen M, et al. Ultrafast Intramolecular Proton Transfer of Alizarin Investigated by Femtosecond Stimulated Raman Spectroscopy. J Phys Chem B. 2017 Apr 27;121(16):4129-4136.

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