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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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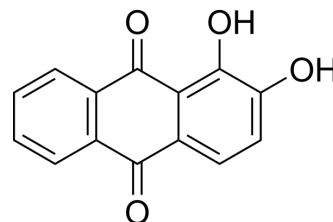
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Alizarin

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)

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

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.

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