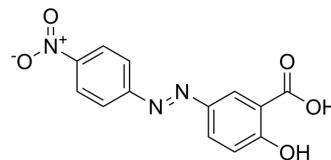


## Alizarine Yellow R

Cat. No.:	HY-118320
CAS No.:	2243-76-7
Molecular Formula:	C <sub>13</sub> H <sub>9</sub> N <sub>3</sub> O <sub>5</sub>
Molecular Weight:	287.23
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 25 mg/mL (87.04 mM); ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	3.4815 mL	17.4077 mL	34.8153 mL
5 mM	0.6963 mL	3.4815 mL	6.9631 mL
10 mM	0.3482 mL	1.7408 mL	3.4815 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Alizarine Yellow R (Mordant orange 1), a salicylic acid derivative, is a azo dye. Alizarine Yellow R is mostly used as a pH indicator, as a biological stain in chemical examinations and also in dyeing industries<sup>[1]</sup>.

### REFERENCES

[1]. Dhanush C, et al. Independent hydrothermal synthesis of the undoped, nitrogen, boron and sulphur doped biogenic carbon nanodots and their potential application in the catalytic chemo-reduction of Alizarine yellow R azo dye. Spectrochim Acta A Mol Biomol Spectrosc. 2021 Nov 5;260:119920.

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

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