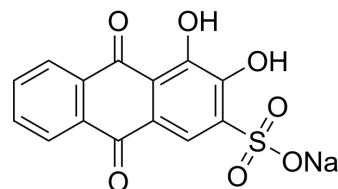


Alizarin Red S sodium

Cat. No.:	HY-120601
CAS No.:	130-22-3
Molecular Formula:	C ₁₄ H ₇ NaO ₇ S
Molecular Weight:	342.26
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

H₂O : 10 mg/mL (29.22 mM; Need ultrasonic)
DMSO : < 1 mg/mL (insoluble or slightly soluble)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.9218 mL	14.6088 mL	29.2176 mL
	5 mM	0.5844 mL	2.9218 mL	5.8435 mL
	10 mM	0.2922 mL	1.4609 mL	2.9218 mL

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

BIOLOGICAL ACTIVITY

Description

Alizarin Red S sodium (ARS sodium) is an anthraquinone dye that has been widely used to evaluate calcium deposits in cell culture^[1].

CUSTOMER VALIDATION

- J Periodontol. 2021 Apr 29.
- Qual Assur Saf Crop. Nov 26, 2021.
- J Biochem Mol Toxicol. 2023 Dec 30.
- Int J Cardiol. 2022 Jun 15;S0167-5273(22)00931-7.
- J Orthop Res. 2021 Nov 2.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Lim S, et al. Stimulatory Effects of KPR-A148 on Osteoblast Differentiation and Bone Regeneration. *Tissue Eng Regen Med*. 2019 Jul 17;16(4):405-413.

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

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