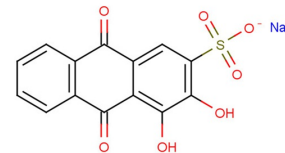


## Alizarin Red S sodium

## Chemical Properties

CAS No.:	130-22-3
Formula:	C <sub>14</sub> H <sub>7</sub> NaO <sub>7</sub> S
Molecular Weight:	342.26
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	Alizarin Red S sodium is an anthraquinone dye that has been widely used to evaluate calcium deposits in cell culture.
Targets(IC <sub>50</sub> )	Others: None

## Solubility Information

Solubility	H <sub>2</sub> O: 10 mg/mL (29.22 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.922 mL	14.609 mL	29.218 mL
5 mM	0.584 mL	2.922 mL	5.844 mL
10 mM	0.292 mL	1.461 mL	2.922 mL
50 mM	0.058 mL	0.292 mL	0.584 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

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.

Inhibitors · Natural Compounds · Compound Libraries

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