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**Product Data Sheet**

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Product Name: Alizarin Red S sodium

Cat. No.: GC38233

**Chemical Properties**

Cas. No. 130-22-3

SMILES O=S(C(C=C1C2=O)=C(O)C(O)=C1C(C3=C2C=CC=C3)=O)([O-])=O.[Na+]Formula  $C_{14}H_7NaO_7S$  M.Wt 342.26Solubility Water: 10 mg/mL (29.22 mM); DMSO: < 1 mg/mL  
(insoluble or slightly soluble) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Alizarin Red S sodium (Alizarin red S mono sodiumsalt, ARS sodium, C.I. Mordant Red 3, C.I 58005, Alizarin Carmine, Alizarin Red, Alizarin sodium monosulfonate, Alizarin sulfonate sodium, Alizarinsulfonic acid sodium salt, Sodium alizarinsulfonate) is an anthraquinone dye that has been used to evaluate calcium-rich deposits by cells in culture.

[1] Carl A Gregory, et al. Anal Biochem. 2004 Jun 1;329(1):77-84.

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

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