

Alizarin Red S

Chemical Properties

CAS No. : 83-61-4

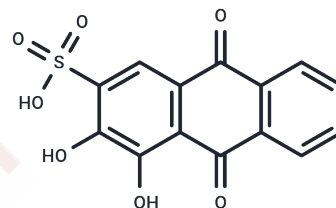
Formula: C₁₄H₈O₇S

Molecular Weight: 320.274

Keep away from direct sunlight

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Alizarin Red S (ARS) is an anthraquinone derivative dye that exhibits orange-red fluorescence when its functional groups form coordination bonds with cations such as calcium ions through oxygen atoms. It is used to screen calcium compounds in synovial fluid, detect osteoblast differentiation, and stain bones within mice. Excitation/emission wavelength: 500/570 nm.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1224 mL	15.6118 mL	31.2237 mL
5 mM	0.6245 mL	3.1224 mL	6.2447 mL
10 mM	0.3122 mL	1.5612 mL	3.1224 mL
50 mM	0.0624 mL	0.3122 mL	0.6245 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286

E_mail: info@targetmol.com

Address: 34 Washington Street, Wellesley Hills, MA 02481