

Alizarin Red S sodium

Cat: IA5140

Storage: RT, 2 years.

Introduction

Alizarin Red S is an anthraquinone dye that can form orange-red complexes with calcium salts in a chelating manner to identify calcium salts in tissue cells. The alizarin red calcium staining method is an authoritative and classical technical method that aims to analyze the orange calcium deposition phenomenon in fixed cell samples by combining calcium ions with alizarin red S to produce a complex through the chelation technique. It is mainly suitable for the detection of calcium deposition and calcified nodules in animal primary or cultured cells. It is widely used in the study of the pathophysiology of bone cells or tissues. The product is ready-to-use type, simple operation, stable performance, clear color. Alizarin red S often gives more reliable results for a small amount of sediments.

Parameter

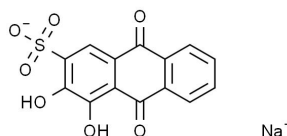
CAS: 130-22-3

Molecular Formula: C₁₄H₇NaO₇S

Molecular Weight: 342.26

Appearance: Orange red to brown Solid

Solubility: Soluble in Water ≥ 5mg/mL



Note

1. For your safety and health, please wear experimental clothes and wear disposable gloves.
2. This product is for scientific research only. Do not use in medicine, clinical diagnosis or treatment, food and cosmetics. Do not store in ordinary residential areas.

Related Literature

- [1]. Chen X, He Q, Zhai Q, Tang H, Li D, Zhu X, Zheng X, Jian G, Cannon RD, Mei L, Wang S, Ji P, Song J, Chen T. Adaptive Nanoparticle-Mediated Modulation of Mitochondrial Homeostasis and Inflammation to Enhance Infected Bone Defect Healing. ACS Nano. 2023 Nov 28;17(22):22960-22978. doi: 10.1021/acsnano.3c08165. Epub 2023 Nov 6. PMID: 37930276. (IF:17.1)
- [2]. Wang X, Liu A, Zhang Z, Hao D, Liang Y, Dai J, Jin X, Deng H, Zhao Y, Wen P, Li Y. Additively Manufactured Zn-2Mg Alloy Porous Scaffolds with Customizable Biodegradable Performance and Enhanced Osteogenic Ability. Adv Sci (Weinh). 2024 Feb;11(5):e2307329. doi: 10.1002/advs.202307329. Epub 2023 Dec 7. PMID: 38059810; PMCID: PMC10837348. (IF:15.1)

Note: For more literature, please visit the Solarbio official website.