Product datasheet

Alizarin red S ab146374

Overview

Product name: Alizarin red S
Description: Histochemical stain for calcium.
Biological description: Anthraquinone dye used to determine, quantitatively by colorimetry, the presence of calcific deposition by cells of an osteogenic lineage. Has also been used as a histochemical stain for calcium in cells of non-osteogenic lineage and as a colorimetric pH indicator.

Properties

Chemical name: 9,10-Dihydro-3,4-dihydroxy-9,10-dioxo-2-anthracenesulfonic acid monosodium salt
Molecular weight: 360.30

Chemical structure:

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\begin{align*}
\text{Molecular formula} & \quad \text{C}_{14}\text{H}_{7}\text{O}_{7}\text{NaS.H}_{2}\text{O} \\
\text{CAS Number} & \quad 130-22-3 \\
\text{Storage instructions} & \quad \text{Store at Room Temperature. The product can be stored for up to 12 months.} \\
\text{Solubility overview} & \quad \text{Soluble in water to 1 mg/ml} \\
\text{Handling} & \quad \text{Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.} \\
& \quad \text{Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.}
\end{align*}
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Source: Synthetic

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS"

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