

Acid red 73

Chemical Properties

CAS No. :	5413-75-2
Formula:	C ₂₂ H ₁₄ N ₄ Na ₂ O ₇ S ₂
Molecular Weight:	556.48
Storage:	Keep away from direct sunlight, Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	Acid red 73 is a synthetic sulfonated azo dye producing a bright yellowish-red color. Acid red 73 is widely used in industrial dyeing applications and is also applied in biological staining systems to investigate tissue structure visualization, protein localization, and histological contrast enhancement in microscopy-based research.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.797 mL	8.985 mL	17.9701 mL
5 mM	0.3594 mL	1.797 mL	3.594 mL
10 mM	0.1797 mL	0.8985 mL	1.797 mL
50 mM	0.0359 mL	0.1797 mL	0.3594 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.

Reference

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Jorfi S, Barzegar G, Ahmadi M, Darvishi Cheshmeh Soltani R, Alah Jafarzadeh Haghhighifard N, Takdastan A, Saeedi R, Abtahi M. Enhanced coagulation-photocatalytic treatment of Acid red 73 dye and real textile wastewater using UVA/synthesized MgO nanoparticles. J Environ Manage. 2016 Jul 15;177:111-8. doi: 10.1016/j.jenvman.2016.04.005. Epub 2016 Apr 14. PubMed PMID: 27086271.

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