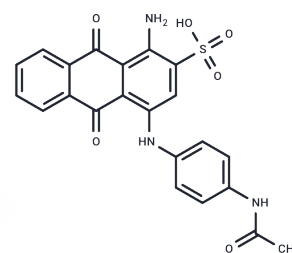


C.I. Acid blue 40

Chemical Properties

CAS No. :	6247-34-3
Formula:	C ₂₂ H ₁₇ N ₃ O ₆ S
Molecular Weight:	451.45
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	C.I. Acid Blue 40 is a multifunctional dye. Dyes are important tools in biological experiments, helping researchers observe and analyze cell structures, track biomolecules, evaluate cell functions, distinguish cell types, detect biomolecules, study tissue pathology, and monitor microorganisms. Their applications range from basic scientific research to a wide range of clinical diagnostics. Dyes are also widely used in traditional fields such as textile dyeing, as well as in emerging fields such as functional textile processing, food pigments, and dye-sensitized solar cells.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2151 mL	11.0754 mL	22.1508 mL
5 mM	0.443 mL	2.2151 mL	4.4302 mL
10 mM	0.2215 mL	1.1075 mL	2.2151 mL
50 mM	0.0443 mL	0.2215 mL	0.443 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

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