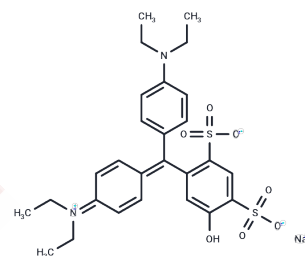


C.I. Food Blue 5:2

Chemical Properties

CAS No. :	20262-76-4
Formula:	C ₂₇ H ₃₁ N ₂ NaO ₇ S ₂
Molecular Weight:	582.66
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. Food Blue 5:2, a multifunctional dye, serves various roles in both scientific and traditional industries. In research and clinical diagnostics, it facilitates the observation and analysis of cell structures, tracking of biomolecules, evaluation of cell functions, differentiation of cell types, detection of biomolecules, tissue pathology studies, and monitoring of microorganisms. Additionally, its uses extend to traditional textile dyeing and emerging applications in functional textile processing, food pigments, and dye-sensitized solar cells.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7163 mL	8.5813 mL	17.1627 mL
5 mM	0.3433 mL	1.7163 mL	3.4325 mL
10 mM	0.1716 mL	0.8581 mL	1.7163 mL
50 mM	0.0343 mL	0.1716 mL	0.3433 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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