Data Sheet (Cat.No.T30908)



Chromotrope 2B

Chemical Properties

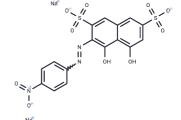
CAS No.: 548-80-1

Formula: C16H9N3Na2O10S2

Molecular Weight: 513.37

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Chromotrope 2B (C.I. Acid Red 176) is a reagent for analytical determination of boric acid and borates, and is also used to produce a highly colored radical anion in conjuction with Chromotrope 2R.
Targets(IC50)	Others
In vitro	Poly(chromotrope 2B) (PCH) modified activated glassy carbon electrode (GCE) (PCHAGCE) can be successfully used for the simultaneous determination of RT and MT in pharmaceutical preparations and human serum.

Solubility Information

Solubility DMSO: 4.92 mg/mL (10 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

.,()	1mg	5mg	10mg
1 mM	1.9479 mL	9.7396 mL	19.4791 mL
5 mM	0.3896 mL	1.9479 mL	3.8958 mL
10 mM	0.1948 mL	0.974 mL	1.9479 mL
50 mM	0.039 mL	0.1948 mL	0.3896 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.

Reference

Li X, et al. Simultaneous determination of ranitidine and metronidazole in pharmaceutical formulations at poly (chromotrope 2B) modified activated glassy carbon electrodes. J Food Drug Anal. 2014 Sep;22(3):345-349.

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