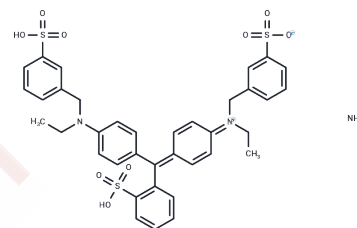


C.I. Acid Blue 9

Chemical Properties

CAS No. :	2650-18-2
Formula:	C37H42N4O9S3
Molecular Weight:	782.94
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	C.I. Acid Blue 9 is an agent of dye.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2772 mL	6.3862 mL	12.7724 mL
5 mM	0.2554 mL	1.2772 mL	2.5545 mL
10 mM	0.1277 mL	0.6386 mL	1.2772 mL
50 mM	0.0255 mL	0.1277 mL	0.2554 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

- Ciesielczyk F, Bartczak P, Zdarta J, Jesionowski T. Active MgO-SiO₂ hybrid material for organic dye removal: A mechanism and interaction study of the adsorption of C.I. Acid Blue 29 and C.I. Basic Blue 9. *J Environ Manage.* 2017 Dec 15;204(Pt 1):123-135. doi: 10.1016/j.jenvman.2017.08.041. Epub 2017 Sep 3. PubMed PMID: 28865307.
- Ben Douissa N, Dridi-Dhaouadi S, Mhenni MF. Spectrophotometric investigation of the interactions between cationic (C.I. Basic Blue 9) and anionic (C.I. Acid Blue 25) dyes in adsorption onto extracted cellulose from *Posidonia oceanica* in single and binary system. *Water Sci Technol.* 2016;73(9):2211-21. doi: 10.2166/wst.2016.068. PubMed PMID: 27148723.
- Popescu V, Muresan A, Popescu G, Balan M, Dobromir M. Ethyl chitosan synthesis and quantification of the effects acquired after grafting it on a cotton fabric, using ANOVA statistical analysis. *Carbohydr Polym.* 2016 Mar 15;138:94-105. doi: 10.1016/j.carbpol.2015.11.009. Epub 2015 Nov 10. PubMed PMID: 26794742.
- Konował E, Modrzejewska-Sikorska A, Motylenko M, Klapiszewski Ł, Wysokowski M, Bazhenov VV, Rafaja D, Ehrlich H, Milczarek G, Jesionowski T. Functionalization of organically modified silica with gold nanoparticles in the presence of lignosulfonate. *Int J Biol Macromol.* 2016 Apr;85:74-81. doi: 10.1016/j.ijbiomac.2015.12.071. Epub 2015 Dec 24. PubMed PMID: 26724689.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481