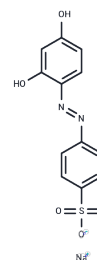


Acid Orange 6

Chemical Properties

CAS No. :	547-57-9
Formula:	C ₁₂ H ₉ N ₂ NaO ₅ S
Molecular Weight:	316.26
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 Orange 6 is a compound of orange 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	3.162 mL	15.8098 mL	31.6196 mL
5 mM	0.6324 mL	3.162 mL	6.3239 mL
10 mM	0.3162 mL	1.581 mL	3.162 mL
50 mM	0.0632 mL	0.3162 mL	0.6324 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

Hsing HJ, Chiang PC, Chang EE, Chen MY. The decolorization and mineralization of acid orange 6 azo dye in aqueous solution by advanced oxidation processes: a comparative study. J Hazard Mater. 2007 Mar 6;141(1):8-16. Epub 2006 Nov 7. PubMed PMID: 17222965.

Singh P, Sanghi R, Pandey A, Iyengar L. Decolorization and partial degradation of monoazo dyes in sequential fixed-film anaerobic batch reactor (SFABR). Bioresour Technol. 2007 Jul;98(10):2053-6. Epub 2006 Oct 10. PubMed PMID: 17035003.

Kalyuzhnyi S, Yemashova N, Fedorovich V. Kinetics of anaerobic biodecolourisation of azo dyes. Water Sci Technol. 2006;54(2):73-9. PubMed PMID: 16939086.

Yemashova N, Kalyuzhnyi S. Microbial conversion of selected azo dyes and their breakdown products. Water Sci Technol. 2006;53(11):163-71. PubMed PMID: 16862786.

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