

C.I. Food Yellow 10

Chemical Properties

CAS No. : 85-84-7

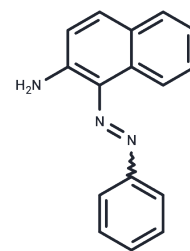
Formula: C₁₆H₁₃N₃

Molecular Weight: 247.301

Keep away from direct sunlight

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 Yellow 10, also known as Fast Yellow AB or Acid Yellow, is an azo dye used primarily as a food dye that is now delisted in both Europe and USA and is forbidden if used in foods and drinks. Ungraded products supplied by Spectrum are indicative of a grade suitable for general industrial use or research purposes and typically are not suitable for human consumption or therapeutic use.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0437 mL	20.2184 mL	40.4367 mL
5 mM	0.8087 mL	4.0437 mL	8.0873 mL
10 mM	0.4044 mL	2.0218 mL	4.0437 mL
50 mM	0.0809 mL	0.4044 mL	0.8087 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

Peng W, Ding F, Peng YK, Jiang YT, Zhang L. Binding patterns and structure-affinity relationships of food azo dyes with lysozyme: a multitechnique approach. *J Agric Food Chem*. 2013 Dec 18;61(50):12415-28. doi: 10.1021/jf4039327. Epub 2013 Dec 9. PubMed PMID: 24319998.

Petigara BR, Scher AL. Direct method for determination of Sudan I in FD&C Yellow No. 6 and D&C Orange No. 4 by reversed-phase liquid chromatography. *J AOAC Int*. 2007 Sep-Oct;90(5):1373-8. PubMed PMID: 17955981.

Florian M, Yamanaka H, Carneiro PA, Zaroni MV. Determination of brilliant blue FCF in the presence and absence of erythrosine and quinoline yellow food colours by cathodic stripping voltammetry. *Food Addit Contam*. 2002 Sep;19(9):803-9. PubMed PMID: 12396391.

National Toxicology Program . NTP Toxicology and Carcinogenesis Studies of D&C Yellow No. 11 (CAS No. 8003-22-3) in F344/N Rats (Feed Studies). *Natl Toxicol Program Tech Rep Ser*. 1997 Apr;463:1-190. PubMed PMID: 12587013.

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