

C.I. Disperse Red 15

Chemical Properties

CAS No. : 116-85-8

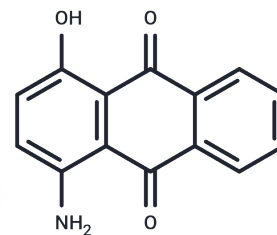
Formula: C₁₄H₉NO₃

Molecular Weight: 239.23

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. Disperse Red 15 is a red dye. C.I. Disperse Red 15 is used as a fluorescent indicator.
Targets(IC50)	Others

Solubility Information

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

	1mg	5mg	10mg
1 mM	4.1801 mL	20.9004 mL	41.8008 mL
5 mM	0.836 mL	4.1801 mL	8.3602 mL
10 mM	0.418 mL	2.090 mL	4.1801 mL
50 mM	0.0836 mL	0.418 mL	0.836 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

- Chi WC, Chen CH, Liu SM. Biodegradation of anthraquinone dyes by *Shewanella* sp. NTOU1 under anaerobic conditions. *Water Sci Technol*. 2009;60(4):889-99. doi: 10.2166/wst.2009.417. PubMed PMID: 19700827.
- Tan SZ, Niu CG, Jiang JH, Shen GL, Yu RQ. Optochemical sensor for an ornidazole assay using 1-amino-4-allyloxyanthraquinone as a fluorescent indicator. *Anal Sci*. 2005 Aug;21(8):967-71. PubMed PMID: 16122170.
- Itoh K, Kitade Y, Yatome C. A pathway for biodegradation of an anthraquinone dye, C.I. disperse red 15, by a yeast strain *Pichia anomala*. *Bull Environ Contam Toxicol*. 1996 Mar;56(3):413-8. PubMed PMID: 8825963.
- Abu-Bakr MS, Sedaira H, Hashem EY. Complexation equilibria and spectrophotometric determination of iron(III) with 1-amino-4-hydroxyanthraquinone. *Talanta*. 1994 Oct;41(10):1669-74. PubMed PMID: 18966119.

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