

FD&C Yellow No. 4

Chemical Properties

CAS No. : 131-79-3

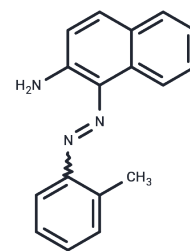
Formula: C₁₇H₁₅N₃

Molecular Weight: 261.328

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 | FD&C Yellow No. 4 is a dye. |
| Targets(IC50) | Others |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 3.8266 mL | 19.1329 mL | 38.2658 mL |
| 5 mM | 0.7653 mL | 3.8266 mL | 7.6532 mL |
| 10 mM | 0.3827 mL | 1.9133 mL | 3.8266 mL |
| 50 mM | 0.0765 mL | 0.3827 mL | 0.7653 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

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Deepika S, Harishkumar R, Dinesh M, Abarna R, Anbalagan M, Roopan SM, Selvaraj CI. Photocatalytic degradation of synthetic food dye, sunset yellow FCF (FD&C yellow no. 6) by *Ailanthus excelsa* Roxb. possessing antioxidant and cytotoxic activity. *J Photochem Photobiol B*. 2017 Dec;177:44-55. doi: 10.1016/j.jphotobiol.2017.10.015. Epub 2017 Oct 12. PubMed PMID: 29049940.

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Richards JR, Laurin EG. Cocaine. 2017 Apr 22. StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2018 Jan-. Available from <http://www.ncbi.nlm.nih.gov/books/NBK430769/> PubMed PMID: 28613520.

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