

## C.I. Food Yellow 13

## Chemical Properties

CAS No. :	8004-92-0
Formula:	C <sub>18</sub> H <sub>9</sub> NNa <sub>2</sub> O <sub>8</sub> S <sub>2</sub>
Molecular Weight:	477.37
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. Food Yellow 13 is a water-soluble acidic yellow dye belonging to the quinolophenone class that is highly soluble in water. C.I. Food Yellow 13 is a yellow-green coloring agent widely used in the food, pharmaceutical, cosmetic, and textile industries.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0948 mL	10.4741 mL	20.9481 mL
5 mM	0.419 mL	2.0948 mL	4.1896 mL
10 mM	0.2095 mL	1.0474 mL	2.0948 mL
50 mM	0.0419 mL	0.2095 mL	0.419 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

- Fragoso C T, et al. Kinetic of the degradation of CI Food Yellow 3 and CI Food Yellow 4 azo dyes by the oxidation with hydrogen peroxide[J]. Journal of Molecular Catalysis A: Chemical, 2009, 301(1-2): 93-97.
- 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.
- National Toxicology Program . NTP Toxicology and Carcinogenesis Studies of Turmeric Oleoresin (CAS No. 8024-37-1) (Major Component 79%-85% Curcumin, CAS No. 458-37-7) in F344/N Rats and B6C3F1 Mice (Feed Studies). Natl Toxicol Program Tech Rep Ser. 1993 Aug;427:1-275. PubMed PMID: 12616304.

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