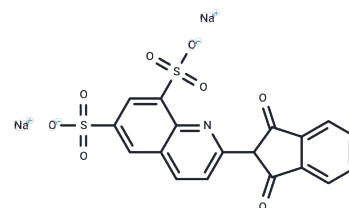


## C.I. Food Yellow 13

### 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  
Appearance: no data available  
Storage: keep away from direct sunlight  
Powder: -20°C for 3 years | In solvent: -80°C for 1 year



### Biological Description

|             |                                                                                                                                                                                                                                                                                                                                                                  |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | Quinoline Yellow WS is a mixture of organic compounds derived from the dye Quinoline Yellow SS (Spirit Soluble). Owing to the presence of sulfonate groups, the WS dyes are water-soluble (WS). It is a mixture of disulfonates (principally), monosulfonates and trisulfonates of 2-(2-quinolyl)indan-1,3-dione with a maximum absorption wavelength of 416 nm. |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 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.

### Reference

Samuolienė G, Brazaitytė A, Sirtautas R, Viršilė A, Sakalauskaitė J, Sakalauskienė S, Duchovskis P. LED illumination affects bioactive compounds in romaine baby leaf lettuce. J Sci Food Agric. 2013 Oct;93(13):3286-91. doi: 10.1002

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