Catalog Number: 195184
**Fluorescein, Disodium Salt**

**Structure:**

![Fluorescein structure](image)

**Molecular Formula:** $C_{20}H_{10}O_5Na_2$

**Molecular Weight:** 376.3

**CAS #** 518-47-8

**Synonyms:** 3',6'-Dihydroxyspiro[isobenzofuran-1(3H),9'-[9H]xanthen]-3-one, disodium salt; 9-(o-carboxyphenyl)-6-hydroxy-3H-xanthen-3-one, disodium salt; 3',6'-Dihydroxyfluoran, disodium salt; 3',6'-Fluorandiol, disodium salt; Resorcinolphthalein, disodium salt; D&C Yellow No. 8; Resorcinol phthalein sodium; Uranine yellow; C.I. Acid Yellow 73; C.I. 45350

**Description:** A biodegradable dye used to trace ground water.

**Solubility:** Soluble in water (yellowish-red color and intense yellowish-green fluorescence perceptible down to a dilution of 0.02 ppm under UV light. The fluorescence disappears when the solution is made acid and reappears when the solution is again made neutral or alkaline.\(^1\)) Slightly soluble in alcohol.

**References:**

– *Merck Index, 12th Ed.*, No. 4194