

**Product Name:** OG 488, SE

**Catalog No.:** 6257

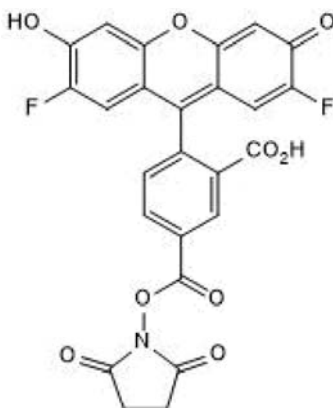
**Batch No.:** 1

CAS Number: 198139-51-4

IUPAC Name: 2',7'-Difluoro-3',6'-dihydroxy-3-oxospiro[isobenzofuran-1(3*H*),9'-[9*H*]xanthene]-5-carboxylic acid 2,5-dioxo-1-pyrrolidinyl ester

## 1. PHYSICAL AND CHEMICAL PROPERTIES

<b>Batch Molecular Formula:</b>	C <sub>25</sub> H <sub>13</sub> F <sub>2</sub> NO <sub>9</sub>
<b>Batch Molecular Weight:</b>	509.37
<b>Physical Appearance:</b>	Yellow solid
<b>Solubility:</b>	DMSO to 1 mM
<b>Storage:</b>	Store at -20°C
<b>Batch Molecular Structure:</b>	



## 2. ANALYTICAL DATA

<b>HPLC:</b>	Shows 96.8% purity
<b>Mass Spectrum:</b>	Consistent with structure

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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**Description:**

Green fluorescent dye. pH-insensitive in physiological pH range (pKa = 4.6). Can be used to monitor pH change in acidic organelles or pathways. Excitation/emission  $\lambda$  501/526 nm.

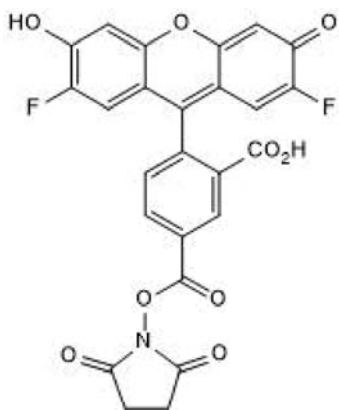
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Batch Molecular Weight: 509.37

Physical Appearance: Yellow solid

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**CAUTION** - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

**Solubility & Usage Info:**

DMSO to 1 mM

**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

**References:**

**Vergene et al** (1998) Phagosomal pH determination by dual fluorescence flow cytometry. *Anal.Biochem.* **255** 127. PMID: 9448851.

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