

Technical Data Sheet

CFS-0-13

General Description

- Daylight and ultra-violet responsive fluorescent dye.
- Very limited soluble in organic solvents. Insoluble in water.

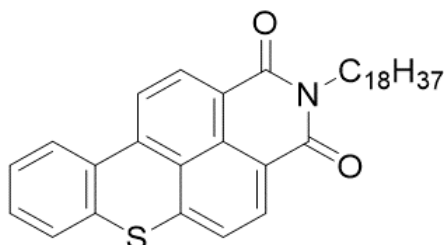
Applications

- Mainly used to color plastics like PMMA, PS, PC, ABS, rigid PVC and polyester.

Physical properties

Appearance	Orange powder
Hue under UV light	Greenish yellow
Mol. Formula	C ₃₆ H ₄₅ NO ₂ S
Mol. Weight	555,82
Melting point	98°C

Chemical Structure



Standard Color

Product Name	Description
CFS-0-13	Yellow

Characteristics

Chemical type	Naphtalimide
C.I. No.	56238
C.I. Name	Solvent Yellow 98
CAS	27870-92-4
EINECS	248-702-8

Packaging:

Box = 1kg
 Box = 5kg
 Box = 10kg
 Box = 20kg

MOQ = 1kg

Storage & shelf life:

120 months when kept in closed original packaging in a dry place at ambient temperature.

Safety & regulatory:

Safety Data Sheet available on request.

Solubility

Solvent	Solubility
Acetone	-
Ethylacetate	-
MMA	+
DIDP @RT	+
DIDP	+++
DMF	-
Water	0

Solubility	Evaluation	g/100ml
+++	High	5
++	Good	1
+	Limited	0,1
-	Low	< 0,1

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Test method

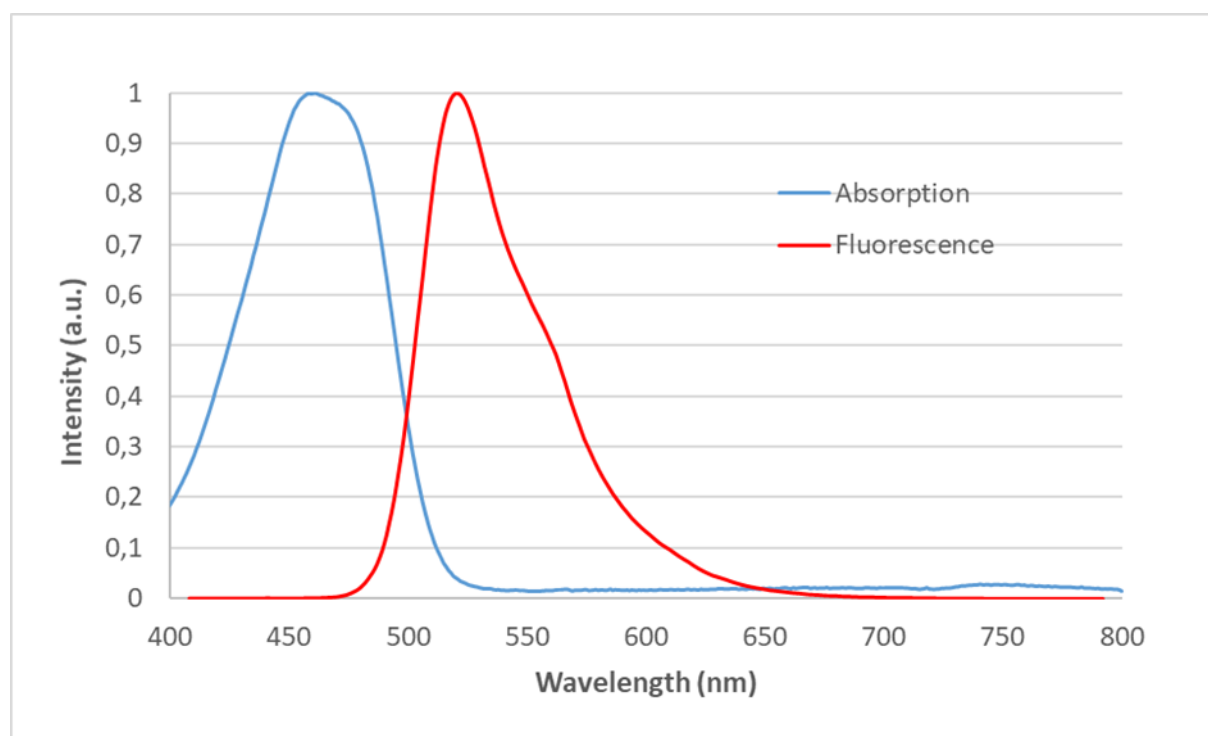
The solubility of three dye concentrations (5g, 1g and 0,1g) is tested in 100ml of the listed solvents at room temperature. After stirring 30 minutes, the solubility is visually evaluated.

As a formulation contains mostly different solvents, it is impossible to generalize. We recommend checking the solubility of the fluorescent dye in your formulation.

Absorption and Fluorescence

Absorption: λ -max (0,0005% in ethanol) = 461nm

Fluorescence: λ -max (0,0005% in ethanol) = 520nm (excitation at 350 nm)



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