

Radglo CFS-0-01

General information

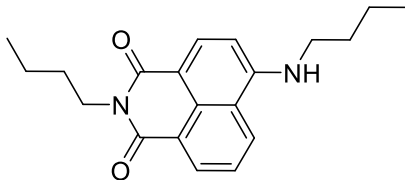
General description:

- Daylight and ultra-violet responsive fluorescent dye.
- Soluble in most organic solvents. Insoluble in water.

Applications:

- Mainly used to color plastics.
- Also useable for solvent based paints.

Chemical Structure:



Standard color:

Product name	Description
CFS-0-01	Yellow

Characteristics:

Chemical type	Naphthalimide
C.I. N°	561930
C.I.	Solvent Yellow 43
Name	
CAS	19125-99-6
EINECS	242-828-7

Packaging:

- 1 box = 1kg
- 1 box = 5kg
- 1 box = 10kg
- 1 box = 20kg
- MOQ = 1kg

Technical information

Physical properties	
Appearance	Yellow powder
Hue	Greenish yellow
Mol. Formula	C ₂₀ H ₂₄ N ₂ O ₂
Mol. Weight	324,18
Melting point	125 – 129°C

Storage & shelf life:

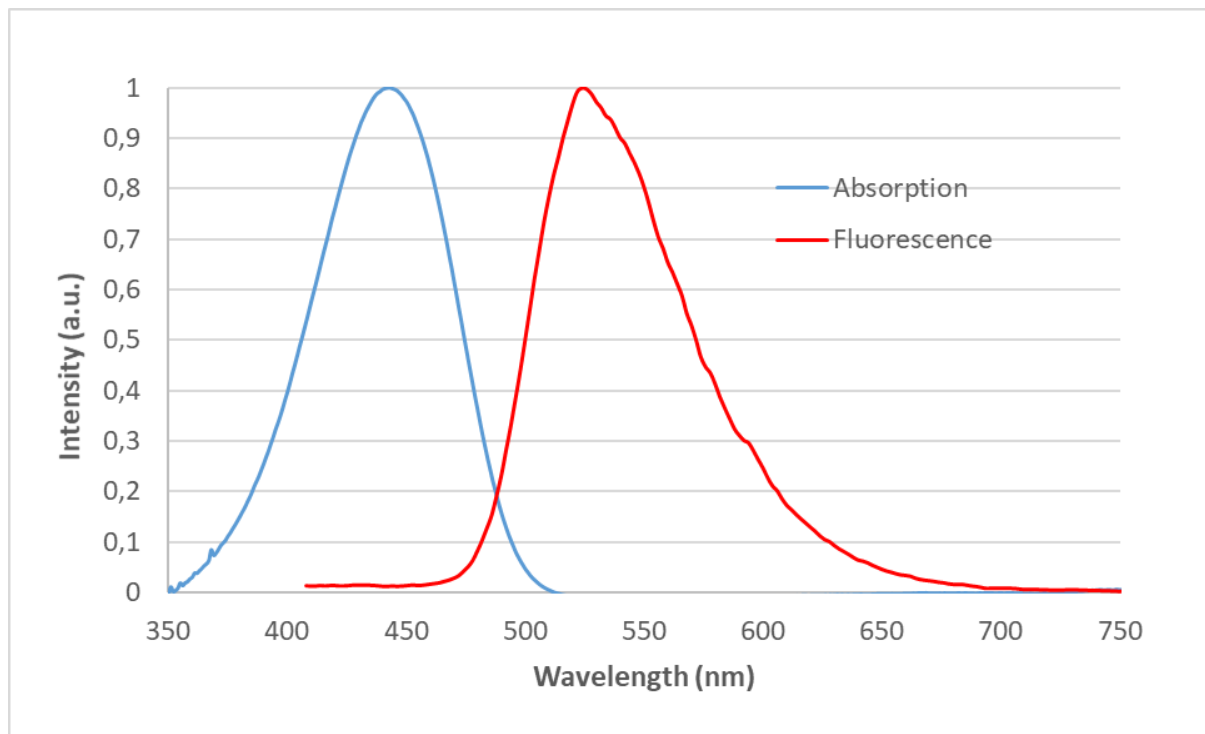
120 months after production date when kept in closed original packaging in a dry place at ambient temperature.

Safety & regulatory:

Safety Data Sheet available on request.

Absorption and Fluorescence

 Absorption: λ -max (0.0005% in ethanol) = 443nm

 Fluorescence: λ -max (0.0005% in ethanol) = 524nm (excitation at 350nm)

Solubility

Solvent	Solubility
Acetone	++
Ethylacetate	++
MMA	++
DIDP @RT	-
DIDP @100°C	+++
DMF	+++
Water	0

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

Testmethod

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 to check the solubility of the fluorescent dye in your formulation.