

OG 488, SE

Chemical Properties

CAS No. : 198139-51-4

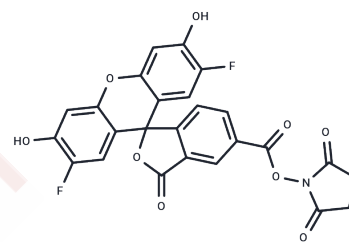
Formula: C₂₅H₁₃F₂N₁O₉

Molecular Weight: 509.37

Storage: Keep away from direct sunlight

Store at -20°C

Actual storage temperature shall be subject to the COA.



Biological Description

Description	OG 488, SE (Oregon green 488 succinimidyl ester) is a green fluorescent dye that is pH insensitive in the physiological pH range (pH=6-8) and can be used to monitor the proliferation of living cells or microorganisms.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 80 mg/mL (157.06 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9632 mL	9.816 mL	19.6321 mL
5 mM	0.3926 mL	1.9632 mL	3.9264 mL
10 mM	0.1963 mL	0.9816 mL	1.9632 mL
50 mM	0.0393 mL	0.1963 mL	0.3926 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Angel Orte, et al. Absorption and emission study of 2',7'-difluorofluorescein and its excited-state buffer-mediated proton exchange reactions. J Phys Chem A. 2005 Feb 10;109(5):734-47.

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