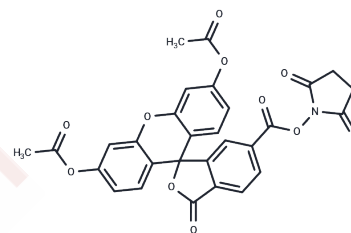


6-CFDA N-succinimidyl ester

Chemical Properties

CAS No. :	150206-15-8
Formula:	C ₂₉ H ₁₉ NO ₁₁
Molecular Weight:	557.46
Appearance:	no data available
Storage:	keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	6-CFDA N-succinimidyl ester (Carboxyfluorescein diacetate succinimidyl) is capable of spontaneously and irreversibly binding to free amines. Utilized in flow cytometry experiments for tracking cell division in both mammalian cells and bacteria. Used in combination with several cell permeabilizers as an effective, nondestructive fluorescent stain to quickly detect bacterial cells.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 10 mg/mL (17.94 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	1.7939 mL	8.9693 mL	17.9385 mL
5 mM	0.3588 mL	1.7939 mL	3.5877 mL
10 mM	0.1794 mL	0.8969 mL	1.7939 mL
50 mM	0.0359 mL	0.1794 mL	0.3588 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.

Reference

- Stich S, et al. Regenerative and immunogenic characteristics of cultured nucleus pulposus cells from human cervical intervertebral discs. *PLoS One*. 2015 May 19;10(5):e0126954.
- Yang T, et al. A novel nonradioactive CFDA assay to monitor the cellular immune response in myeloid leukemia. *Immunobiology*. 2013 Apr;218(4):548-53.
- Urbani S, et al. Use of CFDA-SE for evaluating the in vitro proliferation pattern of human mesenchymal stem cells. *Cytotherapy*. 2006;8(3):243-53.

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