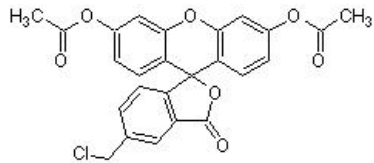


Product datasheet

Green CMFDA (5-Chloromethylfluorescein diacetate),
Green fluorescent dye ab145459

Overview

Product name	Green CMFDA (5-Chloromethylfluorescein diacetate), Green fluorescent dye
Description	Cell permeable green fluorescent dye
Biological description	Cell-permeable green fluorescent dye. Does not affect cell viability or proliferation. Transforms intracellularly into a cell-impermeant, fluorescent product. Displays fluorescence for at least 72 hours. Brightly fluorescent, non-toxic and stable at physiological pH. Allows for multigenerational tracking of cellular movements.
Purity	> 95%
CAS Number	136832-63-8
Chemical structure	

Properties

Excitation	492nm
Emission	516nm
Chemical name	[6'-Acetyloxy-5-(chloromethyl)-3-oxospiro[2-benzofuran-1,9'-xanthene]-3'-yl] acetate
Molecular weight	464.85
Molecular formula	C ₂₅ H ₁₇ ClO ₇
PubChem identifier	122297
Storage instructions	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

SMILES

CC(=O)OC1=CC2=C(C=C1)C3(C4=C(C=C(C=C4)CC)C(=O)O3)C5=C(O2)C=C(C=C5)OC(=O)C

Source

Synthetic

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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