

Product datasheet

5-CFDA N-succinimidyl ester, Fluorogenic esterase substrate substrate ab145292

[1 Image](#)

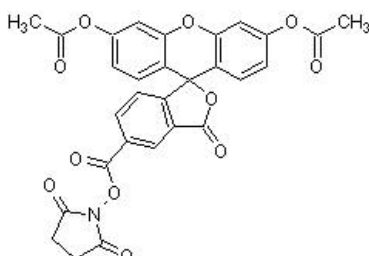
Overview

Product name	5-CFDA N-succinimidyl ester, Fluorogenic esterase substrate
Description	Cell-permeable, fluorogenic, non-selective esterase substrate
Biological description	Cell-permeable, fluorogenic, non-selective esterase substrate. Hydrolyzes to fluorescent 5-FAM (ab145293) intracellularly. 5-CFDA (ab145256) derivative. 6-CFDA (ab145298) and 5(6)-CFDA (ab145278) single isomer derivative. 6-CFDA <i>N</i> -succinimidyl ester (ab145296), 5(6)-CFDA <i>N</i> -succinimidyl ester (ab145291), DCFDA <i>N</i> -succinimidyl ester (ab145286) analog.

Purity > 95%

CAS Number 150206-05-6

Chemical structure



Properties

Excitation	495nm
Emission	520nm
Chemical name	(2,5-Dioxopyrrolidin-1-yl) 3',6'-diacetyloxy-3-oxospiro[2-benzofuran-1,9'-xanthene]-5-carboxylate
Molecular weight	557.46
Molecular formula	C ₂₉ H ₁₉ NO ₁₁
PubChem identifier	4104744
Storage instructions	Store at -20°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.

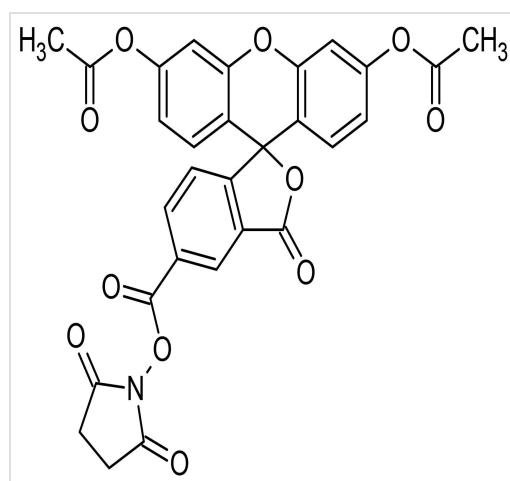
SMILES

CC(=O)OC1=CC2=C(C=C1)C3(C4=C(C=C(C=C4)C(=O)ON5C(=O)CCC5=O)C(=O)O3)C6=C(O2)C=C(C=C6)OC(=O)C

Source

Synthetic

Images



2D chemical structure image of ab145292, 5-CFDA N-succinimidyl ester, Fluorogenic esterase substrate

Chemical Structure - 5-CFDA N-succinimidyl ester,
Fluorogenic esterase substrate (ab145292)

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