

Product datasheet

5(6)-CFDA N-succinimidyl ester (CFSE), Fluorogenic esterase substrate ab145291

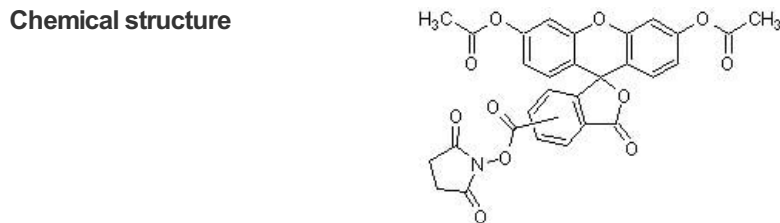
1 References

Overview

Product name	5(6)-CFDA N-succinimidyl ester (CFSE), Fluorogenic esterase substrate
Description	Cell-permeable, fluorogenic, non-selective esterase substrate
Biological description	Cell-permeable, fluorogenic, non-selective esterase substrate. Hydrolyzes to hydrophilic fluorescent 5(6)-CFDA (ab145278) and 5(6)-FAM (ab145342) derivatives intracellularly. Partitions with high fidelity between daughter cells for up to eight generational divisions. Tracks cell proliferation.

Purity > 90%

CAS Number 150347-59-4



Properties

Excitation	495nm
Emission	520nm
Chemical name	5(6)-Carboxyfluorescein diacetate <i>N</i> -succinimidyl ester
Molecular weight	557.46
Molecular formula	C ₂₉ H ₁₉ NO ₁₁
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.

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