**Product datasheet**

**DFCA DA (5(6)-Carboxy-2',7'-dichlorofluorescein diacetate), Fluorogenic esterase substrate ab145415**

**Overview**

**Product name**  
DFCA DA (5(6)-Carboxy-2',7'-dichlorofluorescein diacetate), Fluorogenic esterase substrate

**Description**  
Amine-reactive, fluorogenic, non-selective esterase substrate

**Biological description**  
Amine-reactive, fluorogenic, non-selective esterase substrate. Hydrolyses to DFCA (ab145439) fluorophore intracellularly. Labels intact cells. 2,7-Dichlorofluorescein (ab146332) derivative and DCFDA N-succinimidyl ester (ab145286) precursor.

**Purity**  
> 85%

**CAS Number**  
127770-45-0

**Chemical structure**

![Chemical structure](image)

**Properties**

**Excitation**  
495nm

**Emission**  
529nm

**Chemical name**  
5(6)-Carboxy-2',7'-dichlorofluorescein diacetate

**Molecular weight**  
529.28

**Molecular formula**  
C_{25}H_{14}Cl_{2}O_{9}

**PubChem identifier**  
16211578

**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=C(C=C2C(=C1)OC3=CC(=C(C=C3C24C5=C(C=C(C=C5)C(=O)O)C(=O)O4)Cl)OC(=O)Cl)CC(=O)OC1=C(C=C2C(=C1)OC3=CC(=C(C=C3C24C5=C(C=C(C=C5)C(=O)O)C(=O)O4)Cl)OC(=O)Cl

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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