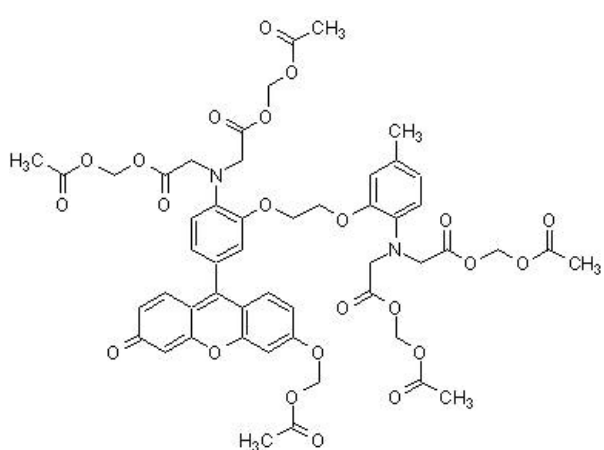


Product datasheet

Fluo-2 AM, green fluorescent Ca²⁺ binding dye ab142775

[2 References](#) [1 Image](#)

Overview

Product name	Fluo-2 AM, green fluorescent Ca ²⁺ binding dye
Description	High affinity, green fluorescent Ca ²⁺ binding dye. Cell-permeable.
Purity	> 95%
Chemical structure	

Properties

Excitation	490nm
Emission	520nm
Chemical name	Bis(Acetoxymethyl) 2,2'-((4-(6-(acetoxymethoxy)-3-oxo-3 <i>H</i> -xanthen-9-yl)-2-(2-(bis(2-acetoxymethoxy)-2-oxoethyl)amino)phenoxy)ethoxy)-5-methylphenyl)azanediyldiacetate
Molecular weight	1061.00
Molecular formula	C ₅₁ H ₅₂ N ₂ O ₂₃
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.

For more information on AM esters please visit our [AM esters FAQ page](#).

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

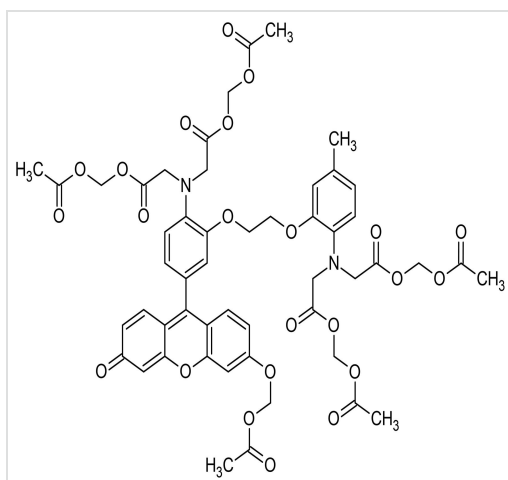
SMILES

CC(=O)OCOC(=O)CN(CC(=O)OCOC(C)=O)c5ccc(C)cc5OCCOc1cc(ccc1N(CC(=O)OCOC(C)=O)CC(=O)OCOC(C)=O)C=2c4ccc(cc4OC3=CC(=O)C=CC=23)OCOC(C)=O

Source

Synthetic

Images



2D chemical structure image of ab142775, Fluo-2 AM, green fluorescent Ca²⁺ binding dye

Chemical Structure - Fluo-2 AM, green fluorescent Ca²⁺ binding dye (ab142775)

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

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