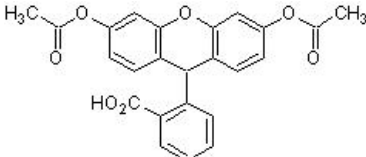


Product datasheet

Dihydrofluorescein diacetate, Fluorescent intracellular oxidant probe ab145351

[1 Image](#)

Overview

Product name	Dihydrofluorescein diacetate, Fluorescent intracellular oxidant probe
Description	Fluorescent intracellular oxidant probe. Redox sensor.
Biological description	Fluorescent intracellular oxidant probe. Redox sensor. Achieves higher intracellular concentrations resulting in brighter intracellular labelling but is less bright extracellularly than dihydrorhodamine 123 (ab145260). Oxidizes to fluorescein primarily under H ₂ O ₂ .
Purity	> 97%
CAS Number	35340-49-9
Chemical structure	

Properties

Excitation	490nm
Emission	490nm
Chemical name	2-(3,6-Diacetyloxy-9H-xanthen-9-yl)benzoic acid
Molecular weight	418.40
Molecular formula	C ₂₄ H ₁₈ O ₇
PubChem identifier	629056
Storage instructions	Store at Room Temperature. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO to 25 mM
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.

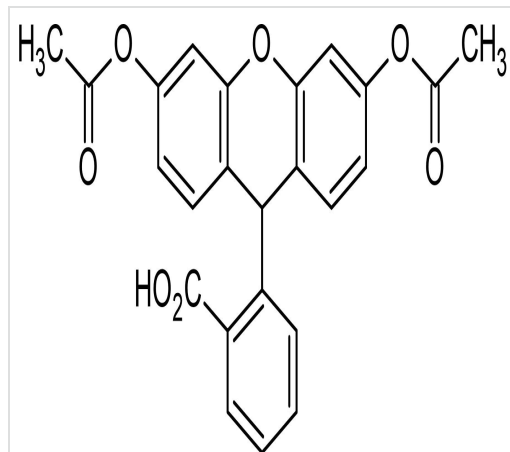
SMILES

CC(=O)OC1=CC2=C(C=C1)C(C3=C(O2)C=C(C=C3)OC(=O)C)C4=CC=CC=C4C(=O)O

Source

Synthetic

Images



2D chemical structure image of ab145351, Dihydrofluorescein diacetate, Fluorescent intracellular oxidant probe

Chemical Structure - Dihydrofluorescein diacetate,
Fluorescent intracellular oxidant probe (ab145351)

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

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