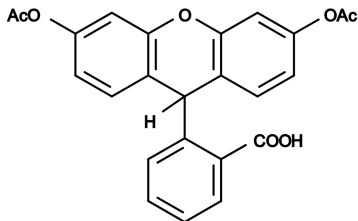
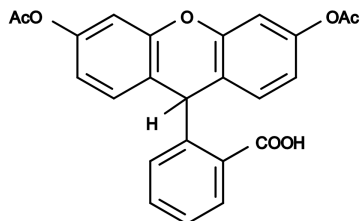


Dihydrofluorescein diacetate [Fluorescein diacetate] *CAS 35340-49-9*Catalog number: 15203
Unit size: 25 mg**Product Details**

Storage Conditions	Freeze (<-15 °C), Minimize light exposure
Expiration Date	12 months upon receiving

Chemical Properties

Appearance	White solid
Molecular Weight	418.4
Soluble In	DMSO
Chemical Structure	

**Spectral Properties**

Excitation Wavelength	498 nm
Emission Wavelength	517 nm

Applications

Dihydrofluorescein diacetate (also called fluorescein diacetate) is hydrolyzed by cellular esterases to dihydrofluorescein (also called fluorescein) and is then oxidized to fluorescein primarily by H₂O₂. Dihydrofluorescein diacetate might be reactive toward a broad range of oxidizing reactions that may be increased during intracellular oxidant stress. Cell-loading studies indicate that dihydrofluorescein achieves higher intracellular concentrations than the other redox sensors such as 2',7'-dichlorodihydrofluorescein and Dihydrorhodamine 123.