

Fluorescein dicaprylate WS1

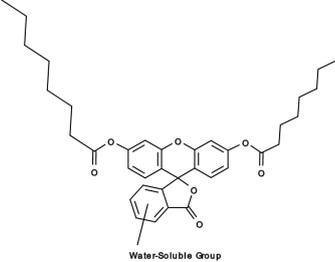
Catalog number: 22018

Unit size: 5 mg

Product Details

Storage Conditions	Freeze (<math>< -15\text{ }^\circ\text{C}</math>), Minimize light exposure
Expiration Date	12 months upon receiving

Chemical Properties

Appearance	Off- white solid
Molecular Weight	828.97
Soluble In	DMSO
Chemical Structure	

Spectral Properties

Excitation Wavelength	498 nm
Emission Wavelength	517 nm

Applications

Fluorescein dicaprylate WS1 is a non-fluorescent water-soluble fluorescein derivative. Esterases hydrolyze the dicaprylate group producing the highly fluorescent product fluorescein. This water-soluble fluorescein dicaprylate may stain *Salmonella* in green fluorescence. It is a fluorogenic substrate for C8 esterase that generates green fluorescence upon esterase cleavage. Compared to the fluorescein dicaprylate esterase substrate, this fluorescein dicaprylate WS1 is much more water-soluble while fluorescein dicaprylate precipitates in aqueous solutions, making it hard to be used in continuous assays.