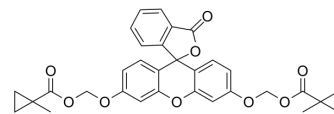


Fluorescein-CM2

Cat. No.:	HY-D2277
CAS No.:	1394821-44-3
Molecular Formula:	C ₃₂ H ₂₈ O ₉
Molecular Weight:	556.56
Target:	Fluorescent Dye
Pathway:	Others
Storage:	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (179.68 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.7968 mL	8.9838 mL	17.9675 mL
	5 mM	0.3594 mL	1.7968 mL	3.5935 mL
	10 mM	0.1797 mL	0.8984 mL	1.7968 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Fluorescein-CM2 is a fluorogenic molecule that can be used to rapidly screen esterase cut sites for protein-protein interaction-dependent (PPI-dependent) esterase activity in *E. coli*^[1].

REFERENCES

[1]. Jones KA, et al. Development of a Split Esterase for Protein-Protein Interaction-Dependent Small-Molecule Activation. *ACS Cent Sci.* 2019 Nov 27;5(11):1768-1776.

Caution: Product has not been fully validated for medical applications. For research use only.

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