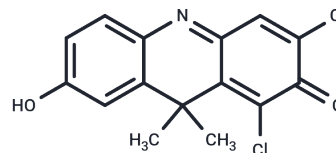


DDAO

Chemical Properties

CAS No. :	118290-05-4
Formula:	C ₁₅ H ₁₁ Cl ₂ NO ₂
Molecular Weight:	308.16
Appearance:	no data available
Storage:	keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	DDAO is a promising near-infrared (NIR) red fluorescent probe with long emission wavelength (λ_{em} = 656 nm) and tunable excitation wavelength (600-650 nm). It can be designed for detection of the activities of different enzymes such as β -galactosidase, sulfatase, protein phosphatase 2A, carboxylesterase 2, human albumin and esterases.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 10.42 mg/mL (33.81 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2451 mL	16.2253 mL	32.4507 mL
5 mM	0.649 mL	3.2451 mL	6.4901 mL
10 mM	0.3245 mL	1.6225 mL	3.2451 mL
50 mM	0.0649 mL	0.3245 mL	0.649 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Hou J1, et al. A near-infrared ratiometric/turn-on fluorescent probe for in vivo imaging of hydrogen peroxide in a murine model of acute inflammation. *Anal Chim Acta*. 2018 Sep 18;1024:169-176.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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