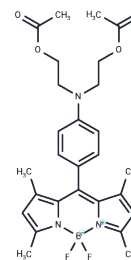


10-(4-(Bis(2-acetoxyethyl)amino)phenyl)-BODIPY 505/515

Chemical Properties

CAS No. :	886212-87-9
Formula:	C ₂₇ H ₃₂ BF ₂ N ₃ O ₄
Molecular Weight:	511.37
Storage:	Keep away from direct sunlight Store at -20°C <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	10-(4-(Bis(2-acetoxyethyl)amino)phenyl)-BODIPY 505/515 is a selective 'off-on' fluorescent chemosensor for Cu ²⁺ and Pb ²⁺ with an excitation wavelength of 504 nm, an emission wavelength of 600 nm, and a more significant fluorescence enhancement of Pb ²⁺ than Cu ²⁺ .
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 2 mg/mL (3.91 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	1.9555 mL	9.7777 mL	19.5553 mL
5 mM	0.3911 mL	1.9555 mL	3.9111 mL
10 mM	0.1956 mL	0.9778 mL	1.9555 mL
50 mM	0.0391 mL	0.1956 mL	0.3911 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Lee HY, Bae SY, Jin JS, Jung JH. A selective fluoroionophore based on BODIPY-immobilized silica nanoparticles for Cu²⁺ ion. J Nanosci Nanotechnol. 2010 Apr;10(4):2416-20.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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