

8-(4-hydroxyphenyl)-1,3,5,7-tetramethyl BODIPY

Chemical Properties

CAS No. :	870992-10-2
Formula:	C ₁₉ H ₁₉ BF ₂ N ₂ O
Molecular Weight:	340.175
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	8-(4-hydroxyphenyl)-1,3,5,7-tetramethyl BODIPY is a fluorescent dye molecule based on the boron-dipyrromethene (BODIPY) structure, known for its high fluorescence quantum yield and excellent photostability. When excited by light at specific wavelengths, it emits bright fluorescence. Its fluorescence properties make it widely applicable in fields such as bioimaging, fluorescent labeling, and sensors. Ex/Em(nm)=503/512.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9396 mL	14.6981 mL	29.3962 mL
5 mM	0.5879 mL	2.9396 mL	5.8792 mL
10 mM	0.294 mL	1.4698 mL	2.9396 mL
50 mM	0.0588 mL	0.294 mL	0.5879 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.

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