

meso-CF3-BODIPY 2

Chemical Properties

CAS No. : 1642327-22-7

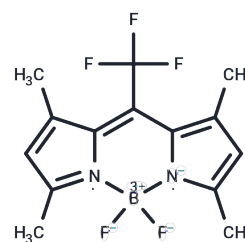
Formula: C₁₄H₁₄BF₅N₂

Molecular Weight: 316.08

Keep away from direct sunlight

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	meso-CF ₃ -BODIPY 2, also known as CF ₃ -substituted Tetramethyl BODIPY, is a fluorescent dye that has an absorption wavelength (λ_{abs}) of 553 nm and an emission wavelength (λ_{em}) of 622 nm. This compound is commonly utilized as a labeling reagent and in photodynamic therapy.
Targets(IC50)	Others
In vitro	Meso-CF ₃ -BODIPY 2 demonstrates significant utility across a spectrum of applications, encompassing its use as a labeling reagent, in organic photovoltaics, organic light-emitting diodes (OLEDs), and photodynamic therapy [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1638 mL	15.8188 mL	31.6376 mL
5 mM	0.6328 mL	3.1638 mL	6.3275 mL
10 mM	0.3164 mL	1.5819 mL	3.1638 mL
50 mM	0.0633 mL	0.3164 mL	0.6328 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

Sun Y, et, al. Thieno[3,2-b]thiophene fused BODIPYs: synthesis, near-infrared luminescence and photosensitive properties. *Organic & Biomolecular Chemistry*. 2019; 17(14): 3617-3622.

Jiang XD, et, al. Synthesis of meso-CF₃-Substituted BODIPY Compounds with Redshifted Absorption. *European Journal of Organic Chemistry*. 2017 Sep 15; 2017(34): 5074-5079.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481