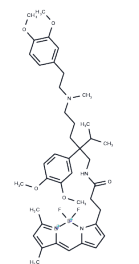


BODIPY FL Verapamil hydrochloride

Chemical Properties

CAS No. :	216571-88-9
Formula:	C ₄₁ H ₅₆ BClF ₂ N ₄ O ₅
Molecular Weight:	769.17
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	BODIPY FL Verapamil hydrochloride, a fluorescent dye, serves as a molecular probe for labeling tissues and cells and is a substrate for both ABCB1 and ABCC1 [1] [2].
Targets(IC50)	Others
In vitro	BODIPY FL Verapamil hydrochloride, when used at a concentration of 10 μM, can be incubated with excised tissue in a phosphate-buffered solution to demonstrate binding sites [1]. Additionally, at concentrations ranging from 0 to 100 nM, it inhibits ABCB1 and ABCC1 efflux in combination with loxapine, mometasone, nifedipine, pimozone, and verapamil, with IC 50 values between 1.6 and 15.6 nM [2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3001 mL	6.5005 mL	13.001 mL
5 mM	0.260 mL	1.3001 mL	2.6002 mL
10 mM	0.130 mL	0.6501 mL	1.3001 mL
50 mM	0.026 mL	0.130 mL	0.260 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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