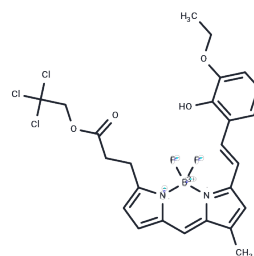


BD-Oligo

Chemical Properties

CAS No. :	1357578-02-9
Formula:	C ₂₅ H ₂₄ BCl ₃ F ₂ N ₂ O ₄
Molecular Weight:	571.64
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	BD-Oligo is a promising fluorescent sensor designed for detecting A β oligomers. It effectively monitors the dynamics of these oligomers during fibril formation in vitro and shows potential for in vivo staining in Alzheimer's disease (AD) mouse models. The sensing mechanism is facilitated through π - π stacking interactions and hydrogen bonding between BD-Oligo and the exposed hydrophobic regions of A β oligomers, as confirmed by computational techniques. Furthermore, BD-Oligo can cross the blood-brain barrier (BBB) to detect oligomers in the brains of AD transgenic mice without causing toxicity.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7494 mL	8.7468 mL	17.4935 mL
5 mM	0.3499 mL	1.7494 mL	3.4987 mL
10 mM	0.1749 mL	0.8747 mL	1.7494 mL
50 mM	0.035 mL	0.1749 mL	0.3499 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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