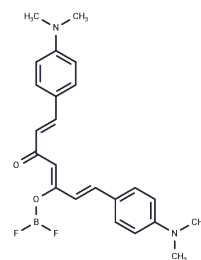


CRANAD 2

Chemical Properties

CAS No. :	1193447-34-5
Formula:	C ₂₃ H ₂₅ BF ₂ N ₂ O ₂
Molecular Weight:	410.27
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	CRANAD-2 is a difluoroboron-derivatized curcumins as near-infrared probe for in vivo detection of amyloid-beta deposits. Upon interacting with Abeta aggregates, CRANAD-2 undergoes a range of changes, which include a 70-fold fluorescence intensity increase, a 90 nm blue shift (from 805 to 715 nm), and a large increase in quantum yield.
Targets(IC50)	Beta Amyloid,Others

Solubility Information

Solubility	DMSO: 3.67 mg/mL (8.95 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	2.4374 mL	12.1871 mL	24.3742 mL
5 mM	0.4875 mL	2.4374 mL	4.8748 mL
10 mM	0.2437 mL	1.2187 mL	2.4374 mL
50 mM	0.0487 mL	0.2437 mL	0.4875 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

Jara-Guajardo P , Cabrera P , Celis F , et al. Gold Nanoparticles Mediate Improved Detection of β -amyloid Aggregates by Fluorescence[J]. Nanomaterials, 2020, 10(4).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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