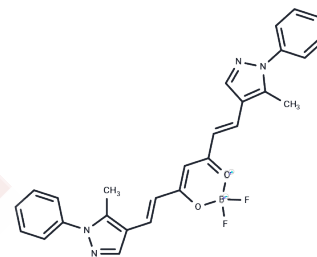


CRANAD-28

Chemical Properties

CAS No. :	1623747-97-6
Formula:	C27H23BF2N4O2
Molecular Weight:	484.31
Storage:	Store at low temperature 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-28 is a blood-brain barrier (BBB) penetrating two-photon imaging probe capable of visualizing amyloid plaques and labeling plaques and cerebral amyloid angiopathy.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 4.85 mg/mL (10.01 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	2.0648 mL	10.324 mL	20.6479 mL
5 mM	0.413 mL	2.0648 mL	4.1296 mL
10 mM	0.2065 mL	1.0324 mL	2.0648 mL
50 mM	0.0413 mL	0.2065 mL	0.413 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

Zhang X, Tian Y, Yuan P, Li Y, Yaseen MA, Grutzendler J, Moore A, Ran C. A bifunctional curcumin analogue for two-photon imaging and inhibiting crosslinking of amyloid beta in Alzheimer's disease. Chem Commun (Camb). 2014 Oct 9;50(78):11550-3. doi: 10.1039/c4cc03731f. PubMed PMID: 25134928; PubMed Central PMCID: PMC4617557.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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