

DCDAPH

Chemical Properties

CAS No. :	125113-96-4
Formula:	C16H15N3
Molecular Weight:	249.31
Appearance:	no data available
Storage:	keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year

Biological Description

Description	DCDAPH (Compound 2c), a novel smart near-infrared fluorescence (NIRF) probe, efficiently detects β -amyloid (A β) plaques with an excitation/emission wavelength (λ ex / λ em) of 597/665 nm in PBS. It demonstrates high affinity for A β aggregates, exhibiting a dissociation constant (Kd) of 27 nM and an inhibition constant (Ki) of 37 nM. Furthermore, DCDAPH exhibits favorable blood-brain barrier permeability, qualifying it as a suitable agent for both in vitro and in vivo detection of A β plaques [1].
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0111 mL	20.0554 mL	40.1107 mL
5 mM	0.8022 mL	4.0111 mL	8.0221 mL
10 mM	0.4011 mL	2.0055 mL	4.0111 mL
50 mM	0.0802 mL	0.4011 mL	0.8022 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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