

## BAOP-16

## Chemical Properties

CAS No. :

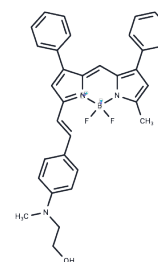
Formula: C33H30BF2N3O

Molecular Weight: 533.42

Keep away from direct sunlight

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	BAOP-16 is a near-infrared fluorescent probe (NIRF) designed specifically to target various soluble A $\beta$ aggregates. This probe has a "y" shaped molecular structure, and its fluorescence intensity significantly increases when it binds to soluble A $\beta$ aggregates in the near-infrared region, exhibiting high affinity. Additionally, BAOP-16 is capable of detecting A $\beta$ oligomers in the brains of A $\beta$ -inoculated model mice. In vivo fluorescence imaging studies of BAOP-16 have shown that the brains of AD model mice exhibit significantly higher fluorescence signals than those of wild-type mice. These findings indicate that BAOP-16 can be used for in vivo NIRF imaging to effectively identify various soluble A $\beta$ aggregates.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8747 mL	9.3735 mL	18.747 mL
5 mM	0.3749 mL	1.8747 mL	3.7494 mL
10 mM	0.1875 mL	0.9373 mL	1.8747 mL
50 mM	0.0375 mL	0.1875 mL	0.3749 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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