

QMT-CBT

Chemical Properties

CAS No. :

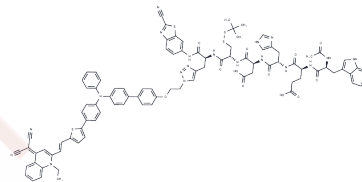
Formula: C94H89N19O12S4

Molecular Weight: 1805.09

Keep away from moisture

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

QMT-CBT is a near-infrared aggregation-induced emission compound. Upon activation of caspase1 (Cas1), QMT-CBT undergoes a CBT-Cys click reaction, forming a cyclic dimer known as QMT-Dimer (the first aggregate), which further assembles into nanoparticles (the second aggregate). This process turns on the AIE signal, enhancing imaging for Alzheimer's disease (AD).

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.554 mL	2.7699 mL	5.5399 mL
5 mM	0.1108 mL	0.554 mL	1.108 mL
10 mM	0.0554 mL	0.277 mL	0.554 mL
50 mM	0.0111 mL	0.0554 mL	0.1108 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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