

## TTQ-SA

### Chemical Properties

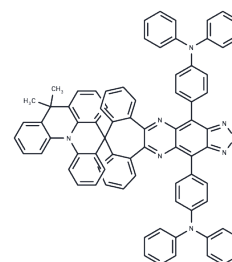
CAS No. :

Formula: C78H53N7S

Molecular Weight: 1120.37

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	TTQ-SA is a near-infrared spiraling aggregation-induced emitter capable of converting near-infrared light (NIR) into thermal energy, resulting in thermal damage and death of tumor cells. In cancer cells MF-7, TTQ-SA shows cell uptake and targeting capabilities. TTQ-SA binds with DNase to inhibit the expression of the survivin gene, enhancing the sensitivity of tumor cells to photothermal therapy.
Targets(IC50)	Apoptosis,Photosensitizer

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8926 mL	4.4628 mL	8.9256 mL
5 mM	0.1785 mL	0.8926 mL	1.7851 mL
10 mM	0.0893 mL	0.4463 mL	0.8926 mL
50 mM	0.0179 mL	0.0893 mL	0.1785 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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