

AIE-ER

Chemical Properties

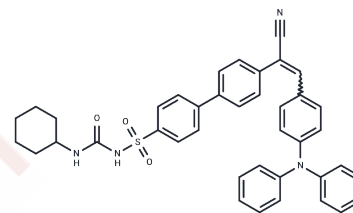
CAS No. : 2653341-17-2

Formula: C₄₀H₃₆N₄O₃S

Molecular Weight: 652.8

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	AIE-ER is a specialized fluorescent probe for the endoplasmic reticulum (ER) that operates in the green channel with excitation at $\lambda_{ex} = 405$ nm and emission between $\lambda_{em} = 450 \sim 650$ nm. It is notable for its exceptional photostability, high brightness, and low working concentration, potentially facilitating research into ER-related diseases [1].
Targets(IC ₅₀)	Others
In vitro	AIE-ER (1-10 μ M; 24 h) exhibits low cytotoxicity in HeLa cells, maintaining good cell viability (> 75%) even at 10 μ M [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5319 mL	7.6593 mL	15.3186 mL
5 mM	0.3064 mL	1.5319 mL	3.0637 mL
10 mM	0.1532 mL	0.7659 mL	1.5319 mL
50 mM	0.0306 mL	0.1532 mL	0.3064 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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