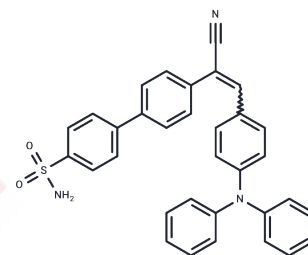


## AIE-GA

## Chemical Properties

CAS No. :	2653341-16-1
Formula:	C33H25N3O2S
Molecular Weight:	527.64
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-GA is a fluorescent probe for the Golgi apparatus (GA) that operates in the green channel with an excitation wavelength of 405 nm and an emission range of 500-700 nm. It exhibits a strong binding affinity to interact with COX-2 by binding to its cyclooxygenase catalytic site [1].
Targets(IC50)	Others
In vitro	For Golgi apparatus staining, HeLa cells are initially incubated with ACQ-GA (2 μM) and AIE-GA (2 μM). Golgi Tracker Red (333 μg/mL) is then added, and incubation is carried out at 37°C for 30 minutes. The medium is removed, and cells are washed three times with phosphate-buffered saline (PBS) before imaging under a confocal microscope [1]. The fluorescence of HeLa cells stained with ACQ-GA (2 μM), AIE-GA (2 μM), and Golgi Tracker Red (333 μg/mL) decreases with increased laser exposure [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8952 mL	9.4762 mL	18.9523 mL
5 mM	0.379 mL	1.8952 mL	3.7905 mL
10 mM	0.1895 mL	0.9476 mL	1.8952 mL
50 mM	0.0379 mL	0.1895 mL	0.379 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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