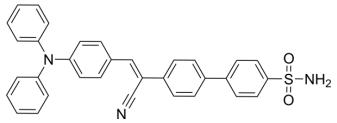
AIE-GA

Cat. No.:	HY-D2297
CAS No.:	2653341-16-1
Molecular Formula:	$C_{33}H_{25}N_3O_2S$
Molecular Weight:	527.64
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	AIE-GA is a Golgi apparatus (GA) fluorescent probe (green channel: λex = 405 nm, λem = 500-700 nm). AIE-GA has a favourable binding ability to interact with COX-2. AIE-GA binds to the cyclooxygenase catalytic site of COX-2[1].
In Vitro	For Golgi apparatus staining, cells were first incubated with ACQ-GA (2 μM) and AIE-GA (2 μM), respectively. Then Golgi Tracker Red (333 μg/mL) was added and incubated at 37 °C for 30 min, and the medium was removed and the cells were rinsed with phosphate buffered saline (PBS) three times and then imaged under a confocal microscope[1]. Loss in fluorescence of HeLa cells stained with ACQ-GA (2 μM), AIE-GA (2 μM) and Golgi Tracker Red (333 μg/mL) with increasing the number of scans of laser irradiation[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Xiao P, et al. An aggregation-induced emission platform for efficient Golgi apparatus and endoplasmic reticulum specific imaging. Chem Sci. 2021 Oct 5;12(41):13949-13957.

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