



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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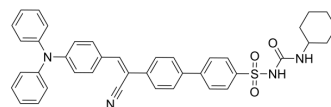
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AIE-ER

Cat. No.:	HY-D2299
CAS No.:	2653341-17-2
Molecular Formula:	C ₄₀ H ₃₆ N ₄ O ₃ S
Molecular Weight:	652.8
Target:	Fluorescent Dye
Pathway:	Others
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (153.19 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1 mg	5 mg	10 mg
	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

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

AIE-ER is a specific endoplasmic reticulum (ER) fluorescent probe (green channel: λ_{ex} =405 nm, λ_{em} =450~650 nm) that exhibits remarkable photostability, high brightness, and low working concentration. AIE-ER may provide an avenue for studying diseases related to the endoplasmic reticulum^[1].

In Vitro

AIE-ER (1-10 μ M; 24 h) exhibits low cytotoxicity in HeLa cells, maintaining good cell viability (> 75%) even at a concentration of 10 μ M^[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;12(41):13949-13957. Published 2021 Oct 5.

Caution: Product has not been fully validated for medical applications. For research use only.

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