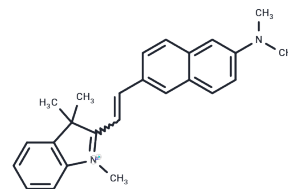


DMANI

Chemical Properties

CAS No. :	2978635-30-0
Formula:	C ₂₅ H ₂₇ IN ₂
Molecular Weight:	482.4
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	DMANI is a mitochondria-targeted ratiometric fluorescent probe based on intramolecular charge transfer (ICT). It is useful for monitoring mitochondrial peroxynitrite (ONOO ⁻) within living cells.
Targets(IC50)	Others
In vitro	DMANI (5 μM) exhibits absorption bands at 525 nm and 346 nm in PBS buffer (10 mM, pH = 7.4). Upon addition of 30 μM ONOO ⁻ , the absorption significantly decreases, and a new peak emerges around 360 nm. In the emission spectrum, fluorescence at 692 nm markedly diminishes, and a new emission band at 444 nm rapidly appears in the presence of DMANI and ONOO ⁻ .

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.073 mL	10.3648 mL	20.7297 mL
5 mM	0.4146 mL	2.073 mL	4.1459 mL
10 mM	0.2073 mL	1.0365 mL	2.073 mL
50 mM	0.0415 mL	0.2073 mL	0.4146 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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