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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

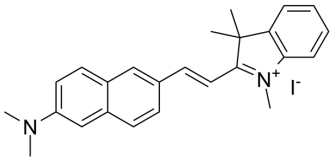
mail@szabo-scandic.com

www.szabo-scandic.com

linkedin.com/company/szaboscandic

DMANI

Cat. No.:	HY-D2479
CAS No.:	2978635-30-0
Molecular Formula:	$C_{25}H_{27}IN_2$
Molecular Weight:	482.4
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



BIOLOGICAL ACTIVITY

Description	DMANI is an intramolecular charge transfer (ICT)-based mitochondria-targeted ratiometric fluorescent probe. DMANI can monitor mitochondrial peroxynitrite ($ONOO^-$) in living cells[1].
In Vitro	In PBS buffer (10 mM, pH = 7.4), the DMANI (5 μM) displays absorption bands at around 525 and 346 nm, but the addition of 30 μM $ONOO^-$ significantly decreased the absorption, together with the appearance of a new peak at about 360 nm. In the emission spectra, a remarkably decreased fluorescence was observed at 692 nm and a new emission band at 444 nm appeared and increased rapidly in the case of DMANI with $ONOO^-$[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Yuting Du, et al. ICT-based fluorescent ratiometric probe for monitoring mitochondrial peroxynitrite in living cells. New J. Chem., 2021,45, 12915-12921.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA