



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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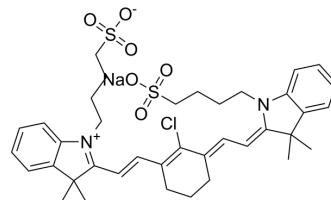
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IR-783

Cat. No.:	HY-139109
CAS No.:	115970-66-6
Molecular Formula:	C ₃₈ H ₄₆ ClN ₂ NaO ₆ S ₂
Molecular Weight:	749.35
Target:	Fluorescent Dye; Apoptosis
Pathway:	Others; Apoptosis
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 116.67 mg/mL (155.69 mM; Need ultrasonic)

Concentration	Solvent	Mass	Preparing Stock Solutions		
			1 mg	5 mg	10 mg
1 mM			1.3345 mL	6.6725 mL	13.3449 mL
5 mM			0.2669 mL	1.3345 mL	2.6690 mL
10 mM			0.1334 mL	0.6672 mL	1.3345 mL

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

BIOLOGICAL ACTIVITY

Description

IR-783 (ADS 780WS) is a near-infrared (NIR) heptamethine cyanine fluorescent probe. IR-783 significantly inhibits tumour growth and induces apoptosis in MDA-MB-231 xenograft model. IR-783 can be used to study breast cancer^[1].

REFERENCES

[1]. Tang Q, et al. Dynamin-related protein 1-mediated mitochondrial fission contributes to IR-783-induced apoptosis in human breast cancer cells. J Cell Mol Med. 2018 Sep;22(9):4474-4485.

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

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