



SZABO SCANDIC

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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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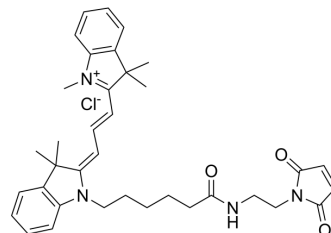
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Cy3 maleimide chloride

Cat. No.:	HY-D1871
CAS No.:	1838643-41-6
Molecular Formula:	C ₃₆ H ₄₃ ClN ₄ O ₃
Molecular Weight:	615.2
Target:	Fluorescent Dye
Pathway:	Others
Storage:	-20°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)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (203.19 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		1.6255 mL	8.1274 mL	16.2549 mL
	5 mM		0.3251 mL	1.6255 mL	3.2510 mL
	10 mM		0.1625 mL	0.8127 mL	1.6255 mL

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

BIOLOGICAL ACTIVITY

Description

Cy3 maleimide chloride is a dye derivative of Cyanine 3 (Cy3) (HY-D0822) containing maleimide functional groups. Cy3 is a fluorescent dye with a fluorescence spectrum typically in the green to orange wavelength range. The alkyne functional group of Cy3 maleimide chloride can undergo a "thiol-acrylamide" reaction with molecules containing sulfur-oxygen functional groups to form covalent bonds. Cy3 maleimide chloride can bind to biological molecules such as proteins and antibodies to track their location and dynamic changes in biological samples.

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

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