



# 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

### SZABO-SCANDIC HandelsgmbH

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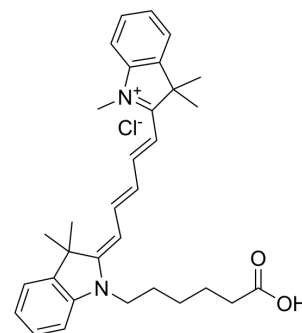
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## Cyanine5 carboxylic acid chloride

<b>Cat. No.:</b>	HY-D1319
<b>CAS No.:</b>	1032678-07-1
<b>Molecular Formula:</b>	C <sub>32</sub> H <sub>39</sub> ClN <sub>2</sub> O <sub>2</sub>
<b>Molecular Weight:</b>	519.12
<b>Target:</b>	Fluorescent Dye
<b>Pathway:</b>	Others
<b>Storage:</b>	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)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 62.5 mg/mL (120.40 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.9263 mL	9.6317 mL	19.2634 mL
5 mM	0.3853 mL	1.9263 mL	3.8527 mL
10 mM	0.1926 mL	0.9632 mL	1.9263 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Cyanine5 carboxylic acid chloride (Cy5 acid chloride) is a fluorescent dye containing a non-activated carboxylic acid (Ex=646 nm, Em=662 nm). Cyanine5 carboxylic acid chloride is a non-reactive dye that can be used in control samples<sup>[1]</sup>.

### REFERENCES

[1]. Thang B Hoang, et al. Colloidal Synthesis of Nanopatch Antennas for Applications in Plasmonics and Nanophotonics. J Vis Exp. 2016 May 28;(111):53876.

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

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