



# 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

Quellenstraße 110, A-1100 Wien

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

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

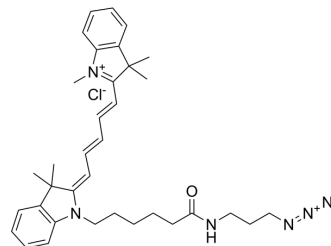
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Cyanine5 azide chloride

Cat. No.:	HY-D1320
CAS No.:	1267539-32-1
Molecular Formula:	C <sub>35</sub> H <sub>45</sub> ClN <sub>6</sub> O
Molecular Weight:	601.22
Target:	Fluorescent Dye
Pathway:	Others
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (166.33 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	1.6633 mL	8.3164 mL	16.6328 mL	
5 mM	0.3327 mL	1.6633 mL	3.3266 mL	
10 mM	0.1663 mL	0.8316 mL	1.6633 mL	

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

### BIOLOGICAL ACTIVITY

#### Description

Cyanine5 azide chloride is a potent fluorescent dye. Cyanine5 azide chloride can be reacted with terminal alkynes via a copper-catalyzed click reaction (CuAAC). ( $\lambda_{ex}$ =646 nm,  $\lambda_{em}$ =662 nm)<sup>[1]</sup>.

### REFERENCES

[1]. Huppelschoten Y, et, al. Total Chemical Synthesis of a Functionalized GFP Nanobody. Chembiochem. 2022 Aug 3:e202200304.

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

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