



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



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Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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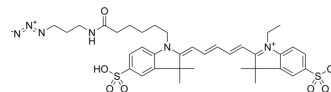
[www.szabo-scandic.com](http://www.szabo-scandic.com)

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

## CY5-N3

<b>Cat. No.:</b>	HY-D0832
<b>CAS No.:</b>	1621101-43-6
<b>Molecular Formula:</b>	C <sub>36</sub> H <sub>46</sub> N <sub>6</sub> O <sub>7</sub> S <sub>2</sub>
<b>Molecular Weight:</b>	738.92
<b>Target:</b>	DNA Stain
<b>Pathway:</b>	Cell Cycle/DNA Damage
<b>Storage:</b>	-20°C, protect from light

\* The compound is unstable in solutions, freshly prepared is recommended.



## SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 25 mg/mL (33.83 mM; Need ultrasonic)																							
	<table border="1"> <thead> <tr> <th rowspan="2">Solvent Concentration</th> <th colspan="3">Mass</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td><b>Preparing Stock Solutions</b></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1 mM</td> <td>1.3533 mL</td> <td>6.7666 mL</td> <td>13.5333 mL</td> </tr> <tr> <td>5 mM</td> <td>0.2707 mL</td> <td>1.3533 mL</td> <td>2.7067 mL</td> </tr> <tr> <td>10 mM</td> <td>0.1353 mL</td> <td>0.6767 mL</td> <td>1.3533 mL</td> </tr> </tbody> </table>	Solvent Concentration	Mass			1 mg	5 mg	10 mg	<b>Preparing Stock Solutions</b>				1 mM	1.3533 mL	6.7666 mL	13.5333 mL	5 mM	0.2707 mL	1.3533 mL	2.7067 mL	10 mM	0.1353 mL	0.6767 mL	1.3533 mL
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	Please refer to the solubility information to select the appropriate solvent.																							
<b>In Vivo</b>	<ol style="list-style-type: none"> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline Solubility: ≥ 2.5 mg/mL (3.38 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (3.38 mM); Clear solution</li> </ol>																							

## BIOLOGICAL ACTIVITY

<b>Description</b>	CY5-N3 (Sulfo-Cyanine5-azide) is a Cy5-azide, which is a fluorescent dye. CY5-N3 can be used in cell imaging by Click reaction [1][2].
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## REFERENCES

- [1]. Su Y, et al. Multiplex imaging and cellular target identification of kinase inhibitors via an affinity-based proteome profiling approach. *Sci Rep.* 2015 Jan 12;5:7724.
- [2]. Lam YY, et al. Systematic investigation of metabolic oligosaccharide engineering efficiency in intestinal cells using a dibenzocyclooctyne-monosaccharide conjugate. *Chembiochem.* 2023 Mar 16:e202300144.

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

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