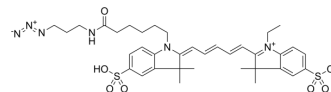


CY5-N3

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

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



SOLVENT & SOLUBILITY

In Vitro	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>Preparing Stock Solutions</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	Preparing Stock Solutions				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.																							
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (3.38 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (3.38 mM); Clear solution 																							

BIOLOGICAL ACTIVITY

Description	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.

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

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