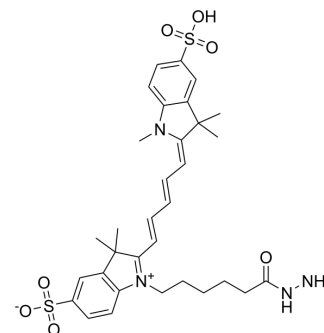


## Sulfo-Cy5 hydrazide

Cat. No.:	HY-D1880
CAS No.:	2055138-61-7
Molecular Formula:	C <sub>32</sub> H <sub>40</sub> N <sub>4</sub> O <sub>7</sub> S <sub>2</sub>
Molecular Weight:	656.81
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 5 mg/mL (7.61 mM; ultrasonic and warming and heat to 60°C)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.5225 mL	7.6126 mL	15.2251 mL
	5 mM	0.3045 mL	1.5225 mL	3.0450 mL
	10 mM	---	---	---

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

### BIOLOGICAL ACTIVITY

#### Description

Sulfo-Cy5 hydrazide is a fluorescent dye containing a hydrazide functionality (Ex/Em=646/662 nm)<sup>[1]</sup>.

### REFERENCES

[1]. Lix, K., et al. Investigation of energy transfer between semiconducting polymer dot donors and hydrophilic and hydrophobic Cy5 acceptors. Biosensing and Nanomedicine IX. 993007 (27 September 2016).

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

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