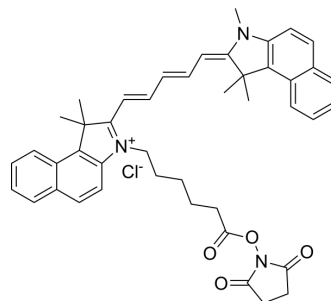


## Cyanine5.5 NHS ester chloride

<b>Cat. No.:</b>	HY-135415
<b>CAS No.:</b>	1469277-96-0
<b>Molecular Formula:</b>	C <sub>44</sub> H <sub>46</sub> ClN <sub>3</sub> O <sub>4</sub>
<b>Molecular Weight:</b>	716.31
<b>Target:</b>	Fluorescent Dye
<b>Pathway:</b>	Others
<b>Storage:</b>	-20°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 : 50 mg/mL (69.80 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.3960 mL	6.9802 mL	13.9604 mL
	5 mM	0.2792 mL	1.3960 mL	2.7921 mL
	10 mM	0.1396 mL	0.6980 mL	1.3960 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Cyanine5.5 NHS ester chloride is a reactive dye for the labeling of proteins, and antibodies and small molecular compounds [1].

### REFERENCES

[1]. Zhu S, et al. Visualizing cancer and response to therapy in vivo using Cy5.5-labeled factor VIIa and anti-tissue factor antibody. J Drug Target. 2015 Apr;23(3):257-65.

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

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