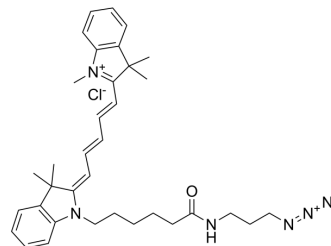


Cyanine5 azide chloride

Cat. No.:	HY-D1320
CAS No.:	1267539-32-1
Molecular Formula:	C ₃₅ H ₄₅ ClN ₆ 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). (λ_{ex} =646 nm, λ_{em} =662 nm)^[1].

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.

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