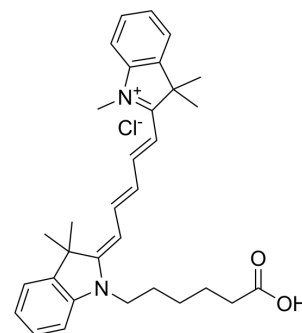


Cyanine5 carboxylic acid chloride

Cat. No.:	HY-D1319
CAS No.:	1032678-07-1
Molecular Formula:	C ₃₂ H ₃₉ ClN ₂ O ₂
Molecular Weight:	519.12
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°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 : 62.5 mg/mL (120.40 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.9263 mL	9.6317 mL	19.2634 mL
5 mM	0.3853 mL	1.9263 mL	3.8527 mL
10 mM	0.1926 mL	0.9632 mL	1.9263 mL

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

BIOLOGICAL ACTIVITY

Description

Cyanine5 carboxylic acid chloride (Cy5 acid chloride) is a fluorescent dye containing a non-activated carboxylic acid (Ex=646 nm, Em=662 nm). Cyanine5 carboxylic acid chloride is a non-reactive dye that can be used in control samples^[1].

REFERENCES

[1]. Thang B Hoang, et al. Colloidal Synthesis of Nanopatch Antennas for Applications in Plasmonics and Nanophotonics. J Vis Exp. 2016 May 28;(111):53876.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA