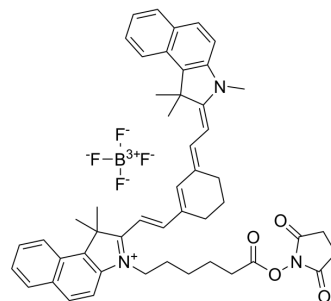


Cy7.5 NHS ester

Cat. No.:	HY-D1567
CAS No.:	2708152-94-5
Molecular Formula:	C ₄₉ H ₅₂ BF ₄ N ₃ O ₄
Molecular Weight:	833.76
Target:	Fluorescent Dye
Pathway:	Others
Storage:	-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 : 5 mg/mL (6.00 mM; Need ultrasonic)
H₂O : < 0.1 mg/mL (ultrasonic) (insoluble)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.1994 mL	5.9969 mL	11.9939 mL
	5 mM	0.2399 mL	1.1994 mL	2.3988 mL
	10 mM	---	---	---

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

BIOLOGICAL ACTIVITY

Description

Cy7.5 NHS ester is a fluorescent dye. Cy7.5 NHS ester can be conjugated to mPEG-b-PDPA to form a mPEG-b-PDPA-Cy7.5 fluorescent copolymer. Cy7.5 NHS ester can be used for fluorescent imaging study^[1].

REFERENCES

[1]. Qi T, et al. A pH-Activatable nanoparticle for dual-stage precisely mitochondria-targeted photodynamic anticancer therapy. *Biomaterials*. 2019 Aug;213:119219.

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

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