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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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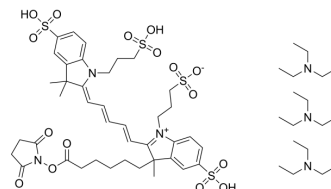
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AF647-NHS ester triTEA

Cat. No.:	HY-D1119C
CAS No.:	407627-61-6
Molecular Formula:	C ₅₈ H ₉₄ N ₆ O ₁₆ S ₄
Molecular Weight:	1259.66
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 20 mg/mL (15.88 mM); ultrasonic and warming and heat to 60°C)				
	Preparing Stock Solutions	Solvent \ Mass \ Concentration	1 mg	5 mg	10 mg
		1 mM	0.7939 mL	3.9693 mL	7.9387 mL
		5 mM	0.1588 mL	0.7939 mL	1.5877 mL
		10 mM	0.0794 mL	0.3969 mL	0.7939 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2 mg/mL (1.59 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	AF647-NHS ester is an analogue of Alexa Fluor 647 (AF647), which has excitation wavelength (λ_{ex}) of 635 nm (conventional fluorescence detection)/620 nm (instantaneous detection) ^{[1][2]} .
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REFERENCES

- [1]. Fernandez A, et al. In vivo characterization of the biodistribution profile of amphipol A8-35. J Membr Biol. 2014 Oct;247(9-10):1043-51.
- [2]. Karlsson J K G, Laude A, Hall M J, et al. Photo-isomerization of the Cyanine Dye Alexa-Fluor 647 (AF-647) in the Context of dSTORM Super-Resolution Microscopy[J]. Chemistry–A European Journal, 2019, 25(65): 14983-14998.

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

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