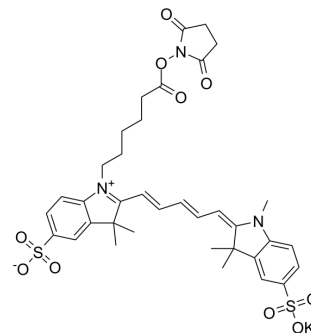


Sulfo-CY5-NHS ester potassium

Cat. No.:	HY-135413A
CAS No.:	2230212-27-6
Molecular Formula:	C ₃₆ H ₄₀ KN ₃ O ₁₀ S ₂
Molecular Weight:	777.95
Target:	DNA Stain
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro	DMSO : 62.5 mg/mL (80.34 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		1.2854 mL	6.4271 mL	12.8543 mL
		5 mM		0.2571 mL	1.2854 mL	2.5709 mL
10 mM		0.1285 mL	0.6427 mL	1.2854 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: ≥ 2.08 mg/mL (2.67 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	MeCY5-NHS ester (potassium) is a reactive dye and can be used for labeling protein nucleic acid ^[1] .
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REFERENCES

[1]. Shukla S, et al. Antibody Response against Cowpea Mosaic Viral Nanoparticles Improves In Situ Vaccine Efficacy in Ovarian Cancer. ACS Nano. 2020;14(3):2994-3003.

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

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