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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

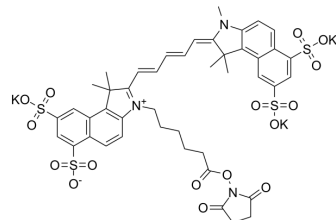
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Sulfo-CY-5.5 NHS ester tripotassium

Cat. No.:	HY-D1389
CAS No.:	2419286-92-1
Molecular Formula:	C ₄₄ H ₄₂ K ₃ N ₃ O ₁₆ S ₄
Molecular Weight:	1114.37
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	H ₂ O : ≥ 50 mg/mL (44.87 mM) DMSO : 25 mg/mL (22.43 mM; Need ultrasonic) * "≥" means soluble, but saturation unknown.					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		0.8974 mL	4.4868 mL	8.9737 mL
		5 mM		0.1795 mL	0.8974 mL	1.7947 mL
		10 mM		0.0897 mL	0.4487 mL	0.8974 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 1.25 mg/mL (1.12 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1.25 mg/mL (1.12 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Sulfo-CY-5.5 NHS ester (Sulfo-Cyanine5.5 NHS ester) tripotassium is an amine-reactive ester of sulfonated far-red Cyanine5.5 fluorophore, which can be used to label antibodies, proteins, etc., as well as for in vivo NIR imaging ^[1] .
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REFERENCES

[1]. Xiaoyu Xu, et al. Microfluidic-assisted biomineralization of CRISPR/Cas9 in near-infrared responsive metal-organic frameworks for programmable gene-editing. *Nanoscale*. 2022 Nov 3;14(42):15832-15844.

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