



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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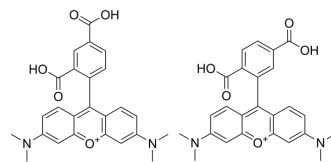
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## (5)6-Carboxytetramethylrhodamine

Cat. No.:	HY-D0934
CAS No.:	117557-83-2
Molecular Formula:	C <sub>25</sub> H <sub>23</sub> N <sub>2</sub> O <sub>5</sub> <sup>+</sup>
Molecular Weight:	431.46
Target:	Fluorescent Dye
Pathway:	Others
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 20 mg/mL (46.35 mM; Need ultrasonic)  
Methanol : 5 mg/mL (11.59 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.3177 mL	11.5886 mL	23.1771 mL
	5 mM	0.4635 mL	2.3177 mL	4.6354 mL
	10 mM	0.2318 mL	1.1589 mL	2.3177 mL

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

### BIOLOGICAL ACTIVITY

#### Description

(5)6-Carboxytetramethylrhodamine contains a carboxylic acid that can be used to react with primary amines via carbodiimide activation of the carboxylic acid; bright, orange-fluorescent dye produces conjugates with absorption/emission maxima of ~555/580 nm<sup>[1]</sup>.

### REFERENCES

[1]. P Kask, et al. Fluorescence-intensity distribution analysis and its application in biomolecular detection technology. Proc Natl Acad Sci U S A. 1999 Nov 23;96(24):13756-61.

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

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