



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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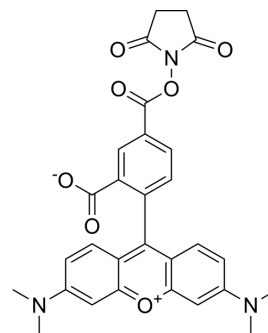
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## 5-TAMRA-SE

<b>Cat. No.:</b>	HY-D0048
<b>CAS No.:</b>	150810-68-7
<b>Molecular Formula:</b>	C <sub>29</sub> H <sub>25</sub> N <sub>3</sub> O <sub>7</sub>
<b>Molecular Weight:</b>	527.52
<b>Target:</b>	Fluorescent Dye
<b>Pathway:</b>	Others
<b>Storage:</b>	-20°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

<b>In Vitro</b>	DMSO : 5 mg/mL (9.48 mM; Need ultrasonic and warming)				
	<b>Preparing Stock Solutions</b>	<b>Solvent</b> \ <b>Mass</b> \ <b>Concentration</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>1 mM</b>	1.8957 mL	9.4783 mL	18.9566 mL
		<b>5 mM</b>	0.3791 mL	1.8957 mL	3.7913 mL
		<b>10 mM</b>	---	---	---
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMF >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1 mg/mL (1.90 mM); Clear solution				

### BIOLOGICAL ACTIVITY

<b>Description</b>	5-TAMRA-SE is an amine-reactive fluorescent agent, its conjugates yield bright, pH-insensitive orange-red fluorescence (approximate excitation/emission maxima ~546/579) with good photostability.
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### CUSTOMER VALIDATION

- Theranostics. 2019 Feb 28;9(6):1580-1598.
- ACS Infect Dis. 2019 Jun 14;5(6):863-872.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

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## REFERENCES

- [1]. Kierzek R, et al. 5'-Amino Pyrene Provides a Sensitive, Nonperturbing Fluorescent Probe of RNA Secondary and Tertiary Structure Formation. *J Am Chem Soc* (1993) 115:4985-4985
- [2]. Schmidt T, et al. Local Stoichiometries Determined by Counting Individual Molecules. *Anal Chem* (1996) 68:4397-4397
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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