



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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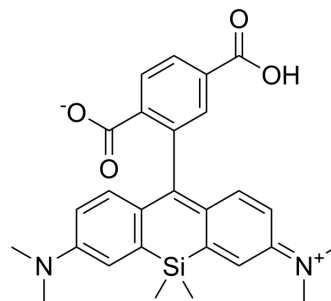
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## SiR-COOH

Cat. No.:	HY-D1345
CAS No.:	1418275-26-9
Molecular Formula:	C <sub>27</sub> H <sub>28</sub> N <sub>2</sub> O <sub>4</sub> Si
Molecular Weight:	472.61
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	SiR-COOH could be used to follow the intracellular location of the model therapeutic agent in GFP cells (Abs, 645 nm; Em, 676 nm) <sup>[1]</sup> .
<b>In Vitro</b>	SiR-COOH could be used to conjugated inhibitors such as UNC2025 (Mer inhibitor). SiR-COOH is especially useful for small-molecule probes: it exhibits bright photostable fluorescence at near-infrared wavelengths, which are ideal for imaging deep through tissue; fluorescence is robust across physiological environments with little toxicity; it is amenable to super-resolution microscopy; and it exhibits an optimal degree of hydrophilicity for live-cell imaging <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Eunha Kim, et al. Red Si-rhodamine drug conjugates enable imaging in GFP cells. *Chem Commun (Camb)*. 2014 May 4;50(34):4504-7.
- [2]. Miles A Miller, et al. Near infrared imaging of Mer tyrosine kinase (MERTK) using MERi-SiR reveals tumor associated macrophage uptake in metastatic disease. *Chem Commun (Camb)*. 2017 Dec 19;54(1):42-45. <https://pubmed.ncbi.nlm.nih.gov/29185561>

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

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