



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

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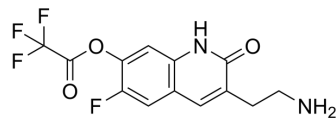
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SERTlight

Cat. No.:	HY-D2335
Molecular Formula:	C ₁₃ H ₁₀ F ₄ N ₂ O ₃
Molecular Weight:	318.22
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

SERTlight is a fluorescent agent that can specifically label serotonergic neuronal cell bodies, dendrites, and axonal projections as fluorescent substrates of the serotonin transporter (SERT). SERTlight is orthogonal to various genetically encoded sensors in terms of optics, pharmacology, and operation, enabling multiple imaging. SERTlight allows the use of GRAB_{5HT} sensors to label distal 5HT axonal projections and simultaneously image the release of endogenous 5HT, providing a new multifunctional molecular tool for studying serotonergic systems^[1].

REFERENCES

[1]. Lee WL, et al. Molecular Design of SERTlight: A Fluorescent Serotonin Probe for Neuronal Labeling in the Brain. *J Am Chem Soc.* 2024;146(14):9564-9574.

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

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