SZABO SCANDIC

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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

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

5-Dodecanoylaminofluorescein

Cat. No.: HY-117401

CAS No.: 107827-77-0

Molecular Formula: $C_{32}H_{35}NO_6$

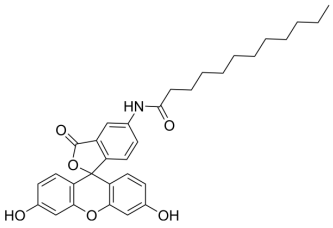
Molecular Weight: 529.62

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 : 125 mg/mL (236.02 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	1.8881 mL	9.4407 mL	18.8815 mL
	5 mM	0.3776 mL	1.8881 mL	3.7763 mL
	10 mM	0.1888 mL	0.9441 mL	1.8881 mL

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

BIOLOGICAL ACTIVITY

Description

5-Dodecanoylaminofluorescein, a lipophilic fluorescent probe, is a free-fatty-acid conjugate of fluorescein. 5-Dodecanoylaminofluorescein has been used in membrane fluidity studies and the determination of critical micelle concentration of detergents. 5-Dodecanoylaminofluorescein can be also used to synthesize hydrophobic nanospheres for drug delivery[1][2][3].

REFERENCES

[1]. Thorsteinsson MV, et al. 5-Dodecanoylaminofluorescein as a probe for the determination of critical micelle concentration of detergents using fluorescence anisotropy. Anal Biochem. 2005 May 15;340(2):220-5.

[2]. Mochizuki H, Yamada M, Hatou S, Tsubota K. Turnover rate of tear-film lipid layer determined by fluorophotometry. Br J Ophthalmol. 2009 Nov;93(11):1535-8.

[3]. Sheihet L, et al. Hydrophobic drug delivery by self-assembling triblock copolymer-derived nanospheres. Biomacromolecules. 2005 Sep-Oct;6(5):2726-31.

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