



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

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

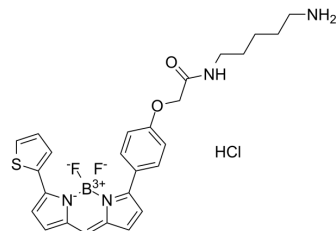
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

BODIPY TR Cadaverine

Cat. No.:	HY-D1594
CAS No.:	217190-24-4
Molecular Formula:	C ₂₆ H ₂₈ BClF ₂ N ₄ O ₂ S
Molecular Weight:	544.85
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (229.42 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.8354 mL	9.1768 mL	18.3537 mL
	5 mM	0.3671 mL	1.8354 mL	3.6707 mL
	10 mM	0.1835 mL	0.9177 mL	1.8354 mL

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

BIOLOGICAL ACTIVITY

Description

BODIPY TR Cadaverine, a cadaverine derivative, is a red fluorescent dye. BODIPY TR Cadaverine can be used in a highly sensitive and robust fluorescent displacement assay, which binds to native LPS strongly, specifically recognizing lipid A, and is competitively displaced by compounds displaying an affinity for lipid A^{[1][2]}.

In Vitro

BODIPY TR Cadaverine assay^[1] (to quantify autophagy in cells):
Cells were incubated with 125 nM BODIPY TR Cadaverine for 10 minutes, washed four times with PBS and lysed in 10 mM Tris-Cl pH 8, 0.1 % Triton X-100. Fluorescence levels were read in a SPECTRAMax fluorimeter (Molecular Devices) (λ_{ex} =588 nm, λ_{em} =616 nm). Fluorescence levels were normalized for cell number by adding 0.2 mM ethidium bromide and reading DNA fluorescence (λ_{ex} =530 nm, λ_{em} =590 nm)^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Carreira RS, et al. Cyclophilin D is required for mitochondrial removal by autophagy in cardiac cells. *Autophagy*. 2010 May;6(4):462-72.

[2]. Wood SJ, et al. Anti-endotoxin agents. 1. Development of a fluorescent probe displacement method optimized for the rapid identification of lipopolysaccharide-binding agents. Comb Chem High Throughput Screen. 2004 May;7(3):239-49.

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