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Produktinformation

- Forschungsprodukte & Biochemikalien
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- Diagnostik & molekulare Diagnostik
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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

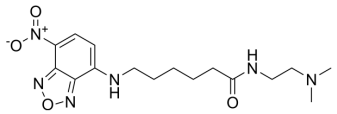
mail@szabo-scandic.com

www.szabo-scandic.com

linkedin.com/company/szaboscandic

LysoTracker Yellow HCK 123

Cat. No.:	HY-D1694
CAS No.:	1064123-31-4
Molecular Formula:	$C_{16}H_{24}N_6O_4$
Molecular Weight:	364.4
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Powder -20°C 3 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 62.5 mg/mL (171.51 mM; Need ultrasonic)

Preparing Stock Solutions	Concentration \ Solvent \ Mass	1 mg	5 mg	10 mg
	1 mM	2.7442 mL	13.7212 mL	27.4424 mL
	5 mM	0.5488 mL	2.7442 mL	5.4885 mL
	10 mM	0.2744 mL	1.3721 mL	2.7442 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.08 mg/mL (5.71 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

LysoTracker Yellow HCK 123 is a potent yellow membrane-permeable fluorescent probe. LysoTracker Yellow HCK 123 is a weakly basic amine that selectively accumulates in cellular compartments with low luminal pH. (λ_{ex}=465 nm, λ_{em}=535 nm) [1].

In Vitro

Guidelines (Following is our recommended protocol. This protocol only provides a guideline, and should be modified according to your specific needs).
LysoTracker Yellow HCK 123 assay[1] (to quantify GAPDH):
1. Culture EMT6 cells in 8-well cell culture slides. Incubate the cells according to your normal protocol.
2. Add TONS504 per well to make the final concentration at 30 μg/mL.Incubate cells at 37 °C for 4 hours.
3. Add LysoTracker Yellow HCK 123 per well to make the final concentration at 50 μM. Incubate cells at 37 °C, 5% CO_2, for 30 minutes.
4. Analyze samples on a confocal laser scanning microscope.
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Desclés J, et, al. New tools for labeling silica in living diatoms. New Phytol. 2008;177(3):822-829.

[2]. Desclés J, et, al. New tools for labeling silica in living diatoms. New Phytol. 2008;177(3):822-829.

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