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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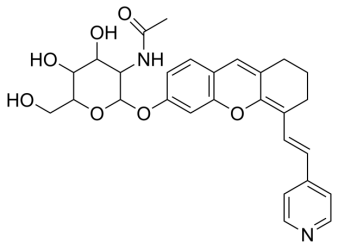
PNE-Lyso

Cat. No.:	HY-151544
Molecular Formula:	$C_{28}H_{30}N_2O_7$
Molecular Weight:	506.55
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PNE-Lyso is a activatable fluorescent probe. PNE-Lyso can be used to detect intracellular pH and hexosaminidases with two kinds of fluorescence signals. PNE-Lyso can be used to distinguish apoptosis from necrosis through visualizing lysosome morphology. PNE-Lyso is capable of investigating the agent-induced cell death process[1].
In Vitro	PNE-Lyso exhibits a strong UV-vis absorption peak at 420 nm in alkaline solution[1]. When PNE-Lyso was treated with Hexs, the fluorescence intensity at 635 nm decreased and blue-shifted (λex = 530 nm), and a new remarkable fluorescence emission at 520 nm appeared (λex = 460 nm), displaying a ratiometric fluorescence signal[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Wang Y, et al. Discrimination of Cell Death Types with an Activatable Fluorescent Probe through Visualizing the Lysosome Morphology. Anal Chem. 2022 Oct 4;94(39):13413-13421.

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

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