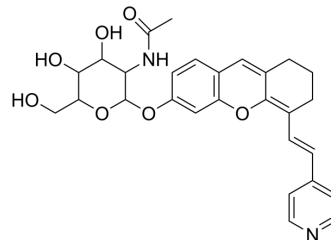


PNE-Lyso

Cat. No.:	HY-151544
Molecular Formula:	C ₂₈ H ₃₀ N ₂ O 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 an 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 ($\lambda_{ex} = 530$ nm), and a new remarkable fluorescence emission at 520 nm appeared ($\lambda_{ex} = 460$ 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.

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