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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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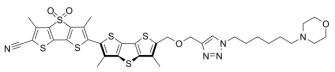
Lyso Flipper-TR 29

Cat. No.:	HY-D2321
CAS No.:	2324152-35-2
Molecular Formula:	$C_{35}H_{37}N_5O_4S_6$
Molecular Weight:	784.09
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Lyso Flipper-TR 29 is a Flipper probe that can label lysosomes. Lyso Flipper-TR 29 enters lysosomes and late endosomes by transient deprotonation to cross their membranes in neutral form[1].
In Vitro	Lyso Flipper-TR 29 enters lysosomes by transient deprotonation to diffuse in neutral form across the hydrophobic membrane, while its return to the cytosol is not possible because low pH≈5 within lysosomes prevents transient deprotonation. Lyso Flipper-TR 29 tracks also late endosomes, but fails to label early endosomes (EE) because their internal pH >6 is too high to prevent transient deprotonation[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Xiao-Xiao Chen, et al. Fluorescent Flippers: Small-Molecule Probes to Image Membrane Tension in Living Systems. Angew Chem Int Ed Engl. 2023 May 8;62(20):e202217868.

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