



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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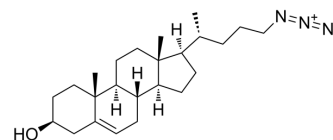
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Chol-N3

Cat. No.:	HY-152901
CAS No.:	2106868-12-4
Molecular Formula:	C ₂₄ H ₃₉ N ₃ O
Molecular Weight:	385.59
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Chol-N3 is a bioorthogonal-based chol probe. Chol-N3 can combine with super-resolution fluorescence microscopy (SRM), providing direct visualization of nanoscale lipid heterogeneity in the cell surface of resting living cells ^[1] . Chol-N3 is a click chemistry reagent, it contains an Azide group and can undergo copper-catalyzed azide-alkyne cycloaddition reaction (CuAAC) with molecules containing Alkyne groups. It can also undergo strain-promoted alkyne-azide cycloaddition (SPAAC) reactions with molecules containing DBCO or BCN groups.
In Vitro	Chol-N3 (25 μM; 16 h; living SH-SY5Y cells) distribution in living cells clearly shows the presence of nanoscopic domains in the PM ^[1] . Chol-N3 (15 μM; 16 h; living SH-SY5Y cells) has nanoscale spatiotemporal diffusion dynamics in SH-SY5Y cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Lorizate M, et, al. Super-Resolution Microscopy Using a Bioorthogonal-Based Cholesterol Probe Provides Unprecedented Capabilities for Imaging Nanoscale Lipid Heterogeneity in Living Cells. *Small Methods*. 2021 Sep;5(9):e2100430.

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

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