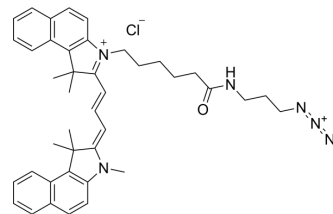


Cyanine3.5 azide chloride

Cat. No.:	HY-D1597
Molecular Formula:	C ₄₁ H ₄₇ ClN ₆ O
Molecular Weight:	675.3
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Cyanine3.5 azide chloride, an analog of Cyanine3.5 azide, is a potent green fluorescent dye. Cyanine3.5 azide chloride uses click chemistry to tag the ethylidene group. ($\lambda_{ex}=591\text{ nm}$, $\lambda_{em}=604\text{ nm}$)^[1]. Cyanine3.5 azide (chloride) 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. Strain-promoted alkyne-azide cycloaddition (SPAAC) can also occur with molecules containing DBCO or BCN groups.

REFERENCES

[1]. Jandl B, et, al. Peptide-Fluorophore Hydrogel as a Signal Boosting Approach in Rapid Detection of Cancer DNA. ACS Omega. 2019 Aug 16;4(9):13889-13895.

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

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