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Zuschläge

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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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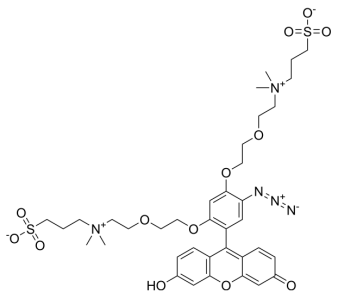
CalFluor 488 Azide

Cat. No.:	HY-151708
CAS No.:	1798305-98-2
Molecular Formula:	$C_{37}H_{49}N_5O_{13}S_2$
Molecular Weight:	835.94
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	CalFluor 488 Azide is a water-soluble fluorogenic azide probe. CalFluor 488 Azide is activated by Cu-catalyzed or metal-free click reaction. CalFluor 488 Azide is not fluorescent until it is reacted with alkynes[1][2]. It contains an azide group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAc) with molecules containing alkyne groups. It can also undergo ring strain-promoted alkyne-azide cycloaddition (SPAAC) with molecules containing DBCO or BCN groups.
In Vitro	CalFluor 488 azide reacts with alkyne-labeled compounds to yield fluorescent triazole product (green)[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Neugebauer ME, et al. Reaction pathway engineering converts a radical hydroxylase into a halogenase. Nat Chem Biol. 2022 Feb;18(2):171-179.

[2]. Hu J, et al. Chiral lipid bilayers are enantioselectively permeable. Nat Chem. 2021 Aug;13(8):786-791.

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