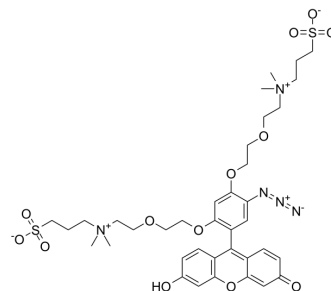


## CalFluor 488 Azide

<b>Cat. No.:</b>	HY-151708
<b>CAS No.:</b>	1798305-98-2
<b>Molecular Formula:</b>	C <sub>37</sub> H <sub>49</sub> N <sub>5</sub> O <sub>13</sub> S <sub>2</sub>
<b>Molecular Weight:</b>	836
<b>Target:</b>	Fluorescent Dye
<b>Pathway:</b>	Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	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 <sup>[1][2]</sup> .
<b>In Vitro</b>	CalFluor 488 azide reacts with alkyne-labeled compounds to yield fluorescent triazole product (green) <sup>[2]</sup> . 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.

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

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