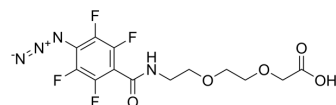


## N3-TFBA-O2Oc

Cat. No.:	HY-151744
CAS No.:	1993119-45-1
Molecular Formula:	C <sub>13</sub> H <sub>12</sub> F <sub>4</sub> N <sub>4</sub> O <sub>5</sub>
Molecular Weight:	380.25
Target:	ADC Linker
Pathway:	Antibody-drug Conjugate/ADC Related
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

N3-TFBA-O2Oc is a click chemistry reagent containing an azide group and an aryl group. Aryl azides are well-known precursors of nitrenes and have been introduced by Fleet et al. as versatile photoaffinity labeling agents to probe biological receptors. This type of compounds has been used as photo-cross linker ( $\lambda_{\text{max}}=258$  nm) in estrogen receptor studies and for direct surface coating of carbon and organic based polymers<sup>[1][2][3]</sup>. N3-TFBA-O2Oc 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]. Morris JL, et al. Aryl azide photochemistry in defined protein environments. *Org Lett.* 2013 Feb 15;15(4):728-31.
- [2]. FLEET G, et al. Affinity Labelling of Antibodies with Aryl Nitrene as Reactive Group. *Nature.* 1969;224:511-512.
- [3]. Welle, et al. Tri- and tetravalent photoactivable cross-linking agents. *Thieme.* 2012;44(14):2249-2254.

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

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