

N3-TFBA-O2Oc

Chemical Properties

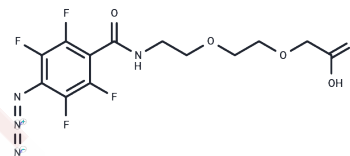
CAS No. : 1993119-45-1

Formula: C13H12F4N4O5

Molecular Weight: 380.25

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	N3-TFBA-O2Oc is a photochemical probe comprising azide and aryl groups. This type of azidoaryl compound serves as a classical precursor to nitro compounds and has been utilized by Fleet et al as a versatile photophore for probing biological receptors. Specifically, N3-TFBA-O2Oc functions as a photo-crosslinker ($\lambda_{max}=258$ nm) in studies involving estrogen receptors and for direct surface coating of carbon and organic polymers. Additionally, as a click chemistry reagent, N3-TFBA-O2Oc contains an azide group that reacts with molecules featuring an alkyne group through a copper-catalyzed azide-alkyne cycloaddition reaction (CuAAC). It can also engage in strain-promoted azide-alkyne cycloaddition reactions (SPAAC) with molecules that possess DBCO or BCN groups.
Targets(IC50)	ADC Linker

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6298 mL	13.1492 mL	26.2985 mL
5 mM	0.526 mL	2.6298 mL	5.2597 mL
10 mM	0.263 mL	1.3149 mL	2.6298 mL
50 mM	0.0526 mL	0.263 mL	0.526 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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