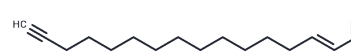


## (E)-2-Hexadecenal Alkyne

## Chemical Properties

CAS No. :	1778692-99-1
Formula:	C <sub>16</sub> H <sub>26</sub> O
Molecular Weight:	234.4
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	"(E)-2-Hexadecenal alkyne is a click chemistry probe derivative of the sphingolipid degradation product (E)-2-hexadecenal. This compound has demonstrated the ability to induce cytoskeletal reorganization, leading to cell rounding, detachment, activation of downstream JNK targets, and apoptosis in various cell types. Furthermore, it readily reacts with deoxyguanosine and DNA, forming aldehyde-derived DNA adducts."
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.2662 mL	21.3311 mL	42.6621 mL
5 mM	0.8532 mL	4.2662 mL	8.5324 mL
10 mM	0.4266 mL	2.1331 mL	4.2662 mL
50 mM	0.0853 mL	0.4266 mL	0.8532 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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