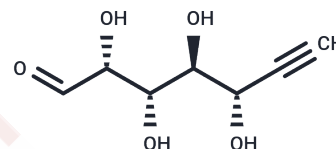


6-Alkynyl-fucose

Chemical Properties

CAS No. :	1193251-61-4
Formula:	C ₇ H ₁₀ O ₅
Molecular Weight:	174.15
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	6-Alkynyl-fucose, a widely used fucosylation probe, acts by strongly inhibiting fucosylation and GDP-fucose synthetase FX and halting hepatoma invasion.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.7422 mL	28.7109 mL	57.4218 mL
5 mM	1.1484 mL	5.7422 mL	11.4844 mL
10 mM	0.5742 mL	2.8711 mL	5.7422 mL
50 mM	0.1148 mL	0.5742 mL	1.1484 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.

Reference

Kizuka Y, Nakano M, Yamaguchi Y, Nakajima K, Oka R, Sato K, Ren CT, Hsu TL, Wong CH, Taniguchi N. An Alkynyl-Fucose Halts Hepatoma Cell Migration and Invasion by Inhibiting GDP-Fucose-Synthesizing Enzyme FX, TSTA3. Cell Chem Biol. 2017 Dec 21;24(12):1467-1478.e5. doi: 10.1016/j.chembiol.2017.08.023. Epub 2017 Oct 12. PubMed PMID: 29033318.

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