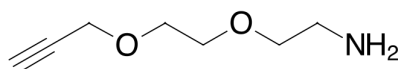


Alkyne-PEG2-amine

<http://www.lumiprobe.com/p/alkyne-peg2-amine-944561-44-8>

PEGs are useful hydrophilic linkers for bioconjugation. Diethyleneglycol, or PEG2, is a short PEG linker. This bifunctional molecule with an amino group that can be engaged in acylation reaction with anhydrides and activated esters, reductive amination with aldehydes and ketones, and alkylation with halides and epoxides, and other reactions. Its terminal alkyne group reacts with azides in copper-catalyzed CuAAC reaction and palladium-catalyzed Sonogashira coupling with aryl- and vinyl halides and triflates.



Structure of Alkyne-PEG2-Amine

General properties

Appearance: colorless to yellow liquid

Molecular weight: 143.18

CAS number: 944561-44-8

Molecular formula: C₇H₁₃NO₂

IUPAC name: 2-[2-(2-propynyloxy)ethoxy]ethylamine

Solubility: soluble in water, polar organic solvents

Quality control: NMR ¹H, GC-MS (95%)

Legal statement: This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products.