

Azide-PEG2-amine

<http://www.lumiprobe.com/p/azide-peg2-amine>

Azide-PEG2-amine is a bifunctional crosslinker with terminal azide and amino groups.

The amino group can be conjugated with a carboxyl group in peptides, proteins, or antibodies once the carboxyl group has been activated with carbodiimide (EDC). The terminal azide group readily reacts with various alkynes in click chemistry reactions.

Diethylene glycol (PEG2) is a short hydrophilic linker with minimal spatial separation of biomolecules in the resulting conjugate.

General properties

Appearance: yellowish oil

Molecular weight: 130.15

CAS number: 464190-91-8

Molecular formula: C₄H₁₀N₄O

IUPAC name: 2-(2-azidoethoxy)ethan-1-amine

Solubility: Water, DMSO, DMF, DCM

Quality control: NMR ¹H, GC-MS (95%)

Storage conditions: Storage: 24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks.

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.