

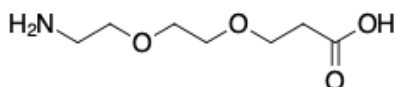
Amine-PEG2-carboxylic acid

<http://www.lumiprobe.com/p/amine-peg2-carboxylic-acid-791028-27-8>

Amine-PEG2-carboxylic acid is a bifunctional PEG2-derivative containing terminal carboxyl and amino groups. Hydrophilic PEG2 spacer is freely soluble in water.

The terminal amino group can react with activated esters, carbonyl compounds, and carbonic acids, e.g. in reductive amination reactions.

The carbonyl group in amine-PEG2-carboxylic acid can react with primary amino groups in the presence of activators (carbodiimides or HATU) resulting in a stable amide bond.



Structure of Amine-PEG2-carboxylic acid

General properties

- Appearance: white to off-yellow powder
- Molecular weight: 177.20
- CAS number: 791028-27-8
- Molecular formula: C₇H₁₅NO₄
- IUPAC name: 3-(2-(2-Aminoethoxy)ethoxy)propanoic acid
- Solubility: soluble in water
- Quality control: NMR ¹H and HPLC-MS (95+%)
- Storage conditions: 24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate.
- Legal statement: Product is offered and sold for research purposes only. Product is not tested for safety and efficacy in food, drug, medical device, cosmetic, no express or implied authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, for humans or animals or for commercial purposes.