

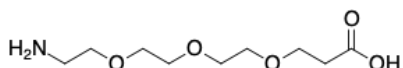
Amine-PEG3-carboxylic acid

<http://www.lumiprobe.com/p/amine-peg3-carboxylic-acid-784105-33-5>

Amine-PEG3-carboxylic acid is a bifunctional PEG3-derivative containing terminal carboxyl and amino groups. Hydrophilic PEG3 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 carboxyl group in amine-PEG3-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-PEG3-carboxylic acid

General properties

Appearance: white powder

Molecular weight: 221.25

CAS number: 784105-33-5

Molecular formula: C₉H₁₉NO₅

IUPAC name: 3-[2-[2-(2-aminoethoxy)ethoxy]ethoxy]propanoic acid

Solubility: soluble in water

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.