

Amine-PEG3-carboxylic acid, hydrochloride

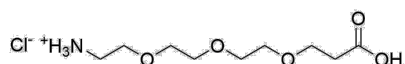
<http://www.lumiprobe.com/p/amine-peg3-acid>

This product will be discontinued soon in favor of [Amine-PEG3-carboxylic acid](#). We may still have some material in stock (please see availability above).

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 carbonyl 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: yellowish oil
Molecular weight: 257.71
CAS number: 127457-79-8
Molecular formula: C₉H₂₀NCIO₅
IUPAC name: 3-[2-[2-(2-aminoethoxy)ethoxy]ethoxy]propanoic acid;hydrochloride
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.