

## **Lumiprobe Corporation**

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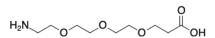
## **Amine-PEG3-carboxylic acid**

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:  $C_9H_{19}NO_5$ 

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

Solubility: soluble in water

Quality control: NMR <sup>1</sup>H, GC-MS (95%)

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

weeks.

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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

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