
3-Azidopropanol

<http://www.lumiprobe.com/p/azidopropanol-72320-38-8>

Azidopropanol is a bifunctional synthon carrying azide group and hydroxy group. It can be used for the Click chemistry or Staudinger ligation involving its azide group.

Hydroxy group can be functionalized in non-aqueous environment by means of reaction with CDI and subsequent coupling with amines producing carbamates.

General properties

Appearance: colorless liquid

Molecular weight: 101.11

CAS number: 72320-38-8

Molecular formula: $C_3H_7N_3O$

IUPAC name: 3-azidopropanol-1

Solubility: miscible with water and polar organic solvents

Quality control: NMR 1H , HPLC-MS (95%)

Storage conditions: Storage: 24 months after receipt at $-20^{\circ}C$ in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light. Desiccate.