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Biotin-X-hydrazide

http://www.lumiprobe.com/p/biotin-aminohexanoic-acid-hydrazide

Hydrazide biotin reagent with aminocaproic spacer useful for biotinylation of macromolecule reactive carbonyls.

Under acidic conditions, biotin-X-hydrazide couples selectively to aldehydes, and acid residues oxidized to aldehydes. It is used to prepare biotin-tagged glycoproteins, glycolipids, and antibodies via carboxylic groups cross-linking through carbodiimide chemistry. Hydrazide biotin is a reagent for common use in carbonylation research.

The aminocaproic spacer arm relieves steric hindrance for binding to streptavidin and avidins.

Structure of Biotin-X-hydrazide

General properties

Appearance: white crystals

Molecular weight: 371.51 Molecular formula: $C_{16}H_{29}N_5O_3S$ Solubility: in DMSO, DMF

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

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

Desiccate.

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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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