

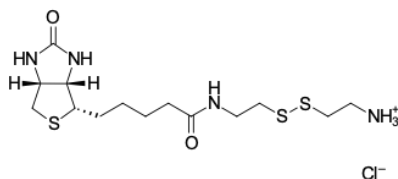
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## Biotin-cystamine hydrochloride

<http://www.lumiprobe.com/p/biotin-cystamine-hydrochloride>

Biotin-cystamine is a biotinylation reagent, which can be cleaved using the disulfide bond reducing agents such as dithiothreitol (DTT), 2-mercaptoethanol (BME) and tris(2-carboxyethyl)phosphine (TCEP).

Biotin-cystamine hydrochloride is a stable reagent form, and it is used for the biomolecules biotinylation via amino group followed by linker cleavage.



### Structure of Biotin-cystamine hydrochloride

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#### General properties

Appearance: white solid

Molecular weight: 415.05

Molecular formula: C<sub>14</sub>H<sub>27</sub>ClN<sub>4</sub>O<sub>2</sub>S<sub>3</sub>

Solubility: in water, DMSO, DMF

Quality control: NMR <sup>1</sup>H and HPLC-MS (95+%)

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