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5-Hydroxylysine

National Cancer Institute

Source

National Cancer Institute. 5-Hydroxylysine. NCI Thesaurus. Code C118878.

A hydroxylated amino acid derivative of lysine that arises from post-translational modification. Lysine is converted into 5-hydroxylysine by lysyl hydroxylase, an oxoenzyme that catalyzes the hydroxylation of carbon-5 in lysyl residues found in proteins or peptides. Hydroxylysine residues are required for the formation and stability of triple helical collagen fibrils.