Polyhydroxylated piperidines are an interesting class of glycosidase inhibitors. Chelate enolate Claisen rearrangement of $N$-protected chiral amino acid esters gives rise to $\gamma,\delta$-unsaturated amino acid, which can be converted to this type of alkaloids. The potential glycosidase inhibitor 5-\textit{epi}-isofagomine was synthesized by this approach in a highly stereoselective fashion.