

(S)-tert-Leucine

Process for production of (S)-tert-Leucine, a building block for peptide libraries and various pharma molecules

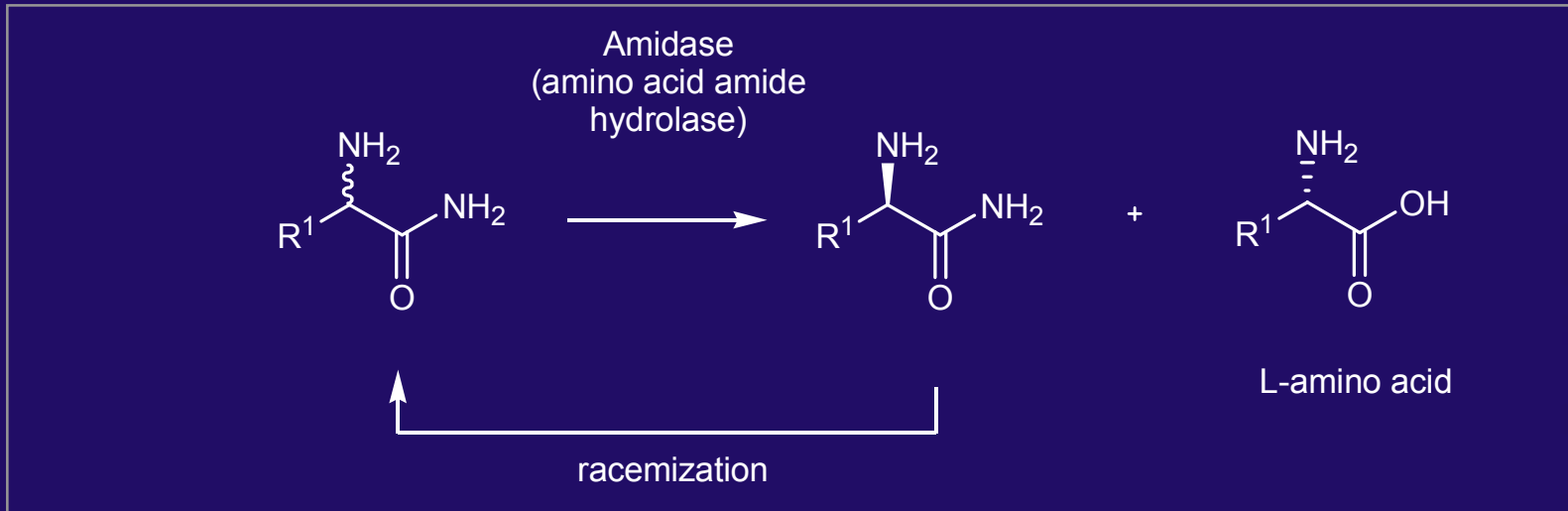
Biocatalysts involved: **Amidase**

Unlimited.

DSM

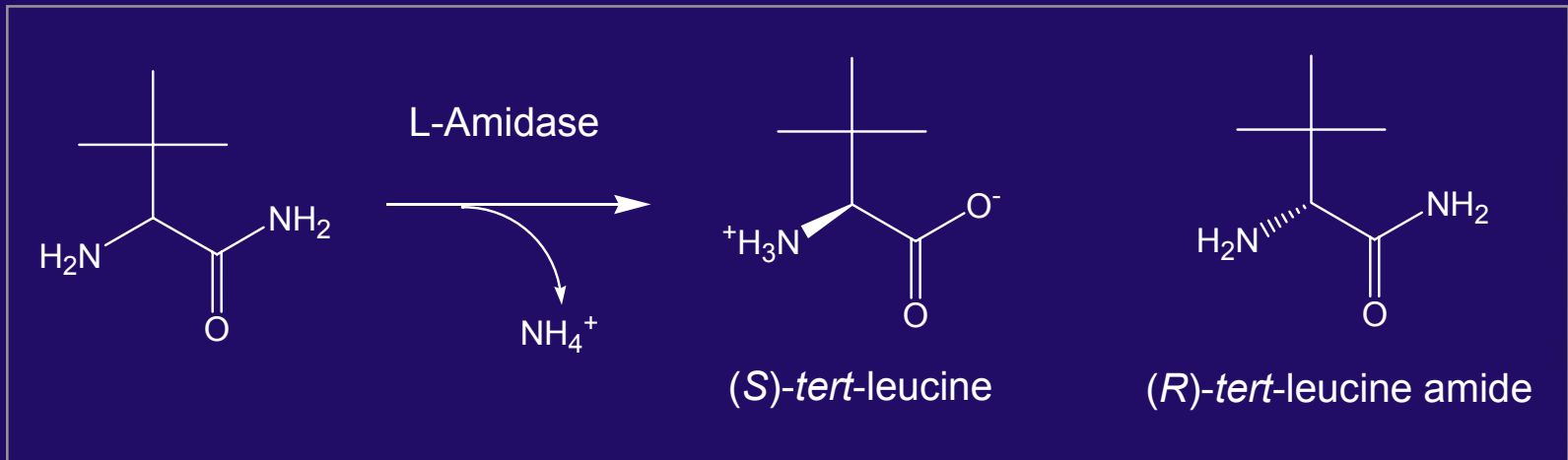


L-Amidases



Source	Stereo Specificity	Substrate Specificity
<i>Pseudomonas putida</i>	S	Very broad, requires α -H
<i>Ochrobactrum anthropi</i>	S	Very broad, accepts α,α -dialkyl

O. anthropi Amidase Biocatalyst



- Substrate contains bulky *tert*-butyl group
- Economic route to both enantiomers
- Excellent enantioselectivity ($E > 200$)