

Pyrethroids

Process for production of a pesticide (agriculture)

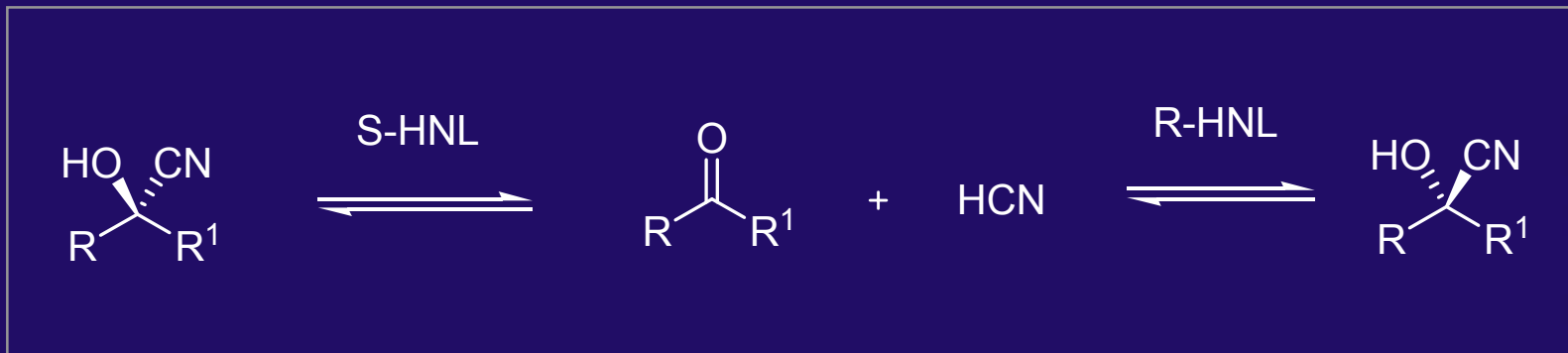
Biocatalysts involved: (S)-hydroxynitrile lyase

Unlimited.

DSM



Hydroxynitrile Lyases



Source	Stereo-Specificity	Substrate Specificity
Almonds	R	Aliphatic, aromatic
Rubber Tree	S	Aliphatic, aromatic

(S)-Hydroxynitrile lyase

AGRO: Synthesis of S-CMB for chiral pyrethroids

- Addition of HCN to aldehyde: (S)- α -cyano-3-phenoxybenzyl alcohol

