

Product Name:	D-Biotin
Product Number:	B010
CAS Number:	58-85-5
Molecular Formula:	$C_{10}H_{16}N_2O_3S$
Molecular Weight:	244.31
Form:	Powder
Appearance:	White or off-White Powder
Source:	Synthetic
Optical Rotation:	+89 to +93°
Storage Conditions:	2-8°C
Description:	Biotin, also known as vitamin H or coenzyme R is a water soluble member of the B vitamins (B7).
Mechanism of Action:	During fatty acid synthesis and gluconeogenesis, biotin acts as a flexible prosthetic group by allowing it to reach different enzymatic active sites.
Microbiology Applications	Biotin can be used in cell culture media for its involvement in a number of cellular processes including gluconeogenesis, synthesis of fatty acids, and amino acids isoleucine and valine.