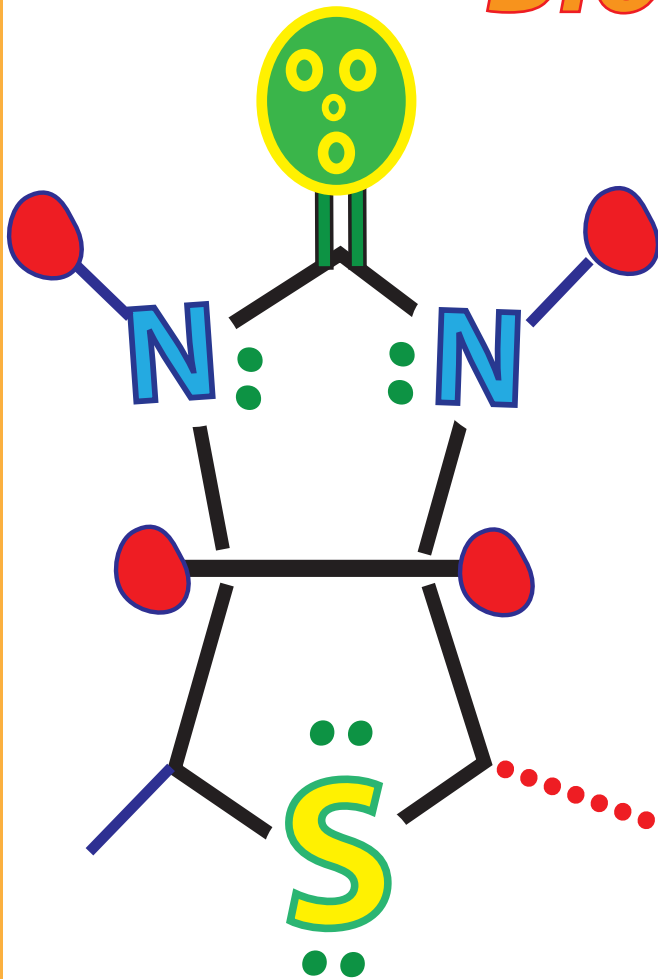


Biotin

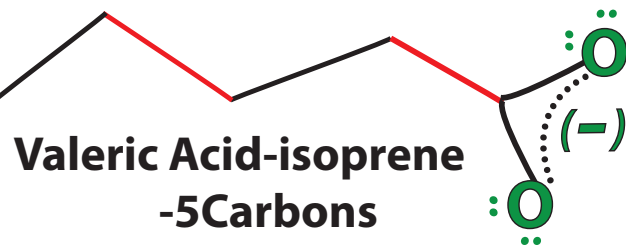
B7 vitamin H

5-[(3aS,4S,6aR)-2-oxohexahydro-1H-thieno
[3,4-d]imidazol-4-yl]pentanoic acid

{ureido (tetrahydroimidizalone)
ring fused with a tetrahydrothiophene ring}



Biotin Robot



A valeric acid substituent is attached to carbon atom
tetrahydrothiophene ring

Biotin is a cofactor in the metabolism of
fatty acids and leucine
plays a role in gluconeogenesis.

The frequency of marginal biotin status is not known, but the incidence of low circulating biotin levels in alcoholics has been found to be much greater than in the general population. Also, relatively low levels of biotin have been reported in the urine or plasma of patients who have had partial gastrectomy or who have other causes of achlorhydria, burn patients, epileptics, elderly individuals and athletes.

