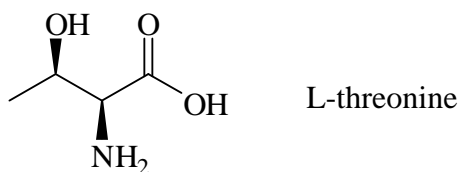


- The systematic name of threonine is 2-amino-3-hydroxybutanoic acid. Assign the absolute configuration of L-threonine. Show your working.



About C2: NH₂ > COOH > CH(OH)CH₃ > H - anticlockwise

About C3: OH > CH(NH₂)COOH > CH₃ > H - clockwise

Therefore (2*S*, 3*R*)-2-amino-3-hydroxybutanoic acid

