

Cucurbitin

History

- Amino acid found in pumpkin seeds
- First isolated in 1961
- In Chinese medicine, dried ripe pumpkin seeds were used to treat schistosomiasis (snail fever)

Application

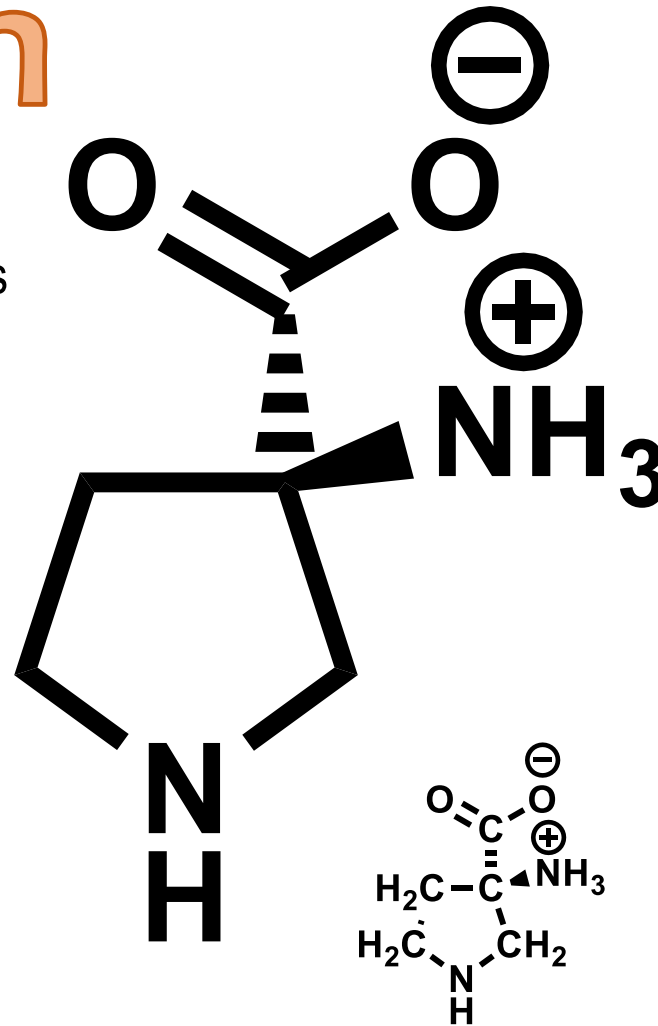


As part of pumpkin seeds, cucurbitin has shown the ability to kill roundworms in chickens

Roundworms



Roundworms, also known as Helminths can be are parasitic
£Billions are spent each year protecting livestock from roundworm infection

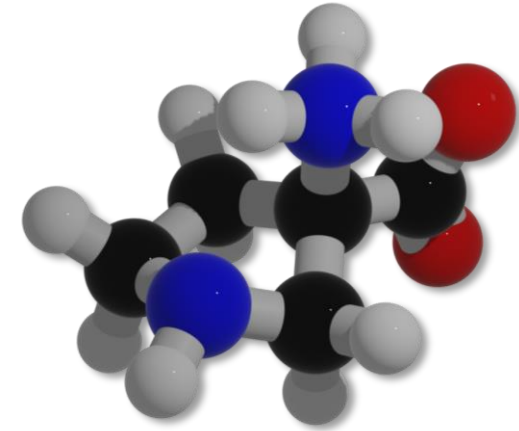


Name origin

Latin **Cucurbita** = pumpkin

Chemical name

(3*R*)-3-aminopyrrolidine-3-carboxylic acid



Chemical data

mass	130.147 g·mol ⁻¹
formula	C ₅ H ₁₀ N ₂ O ₂
melting point	240 °C
optical rotation	-19.96