

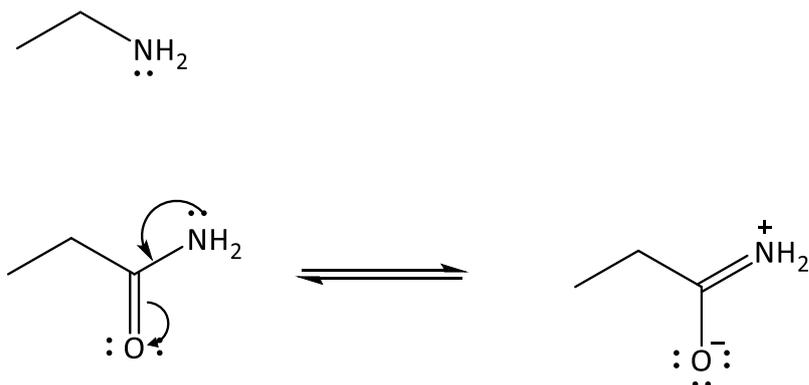
Answer on Question#77536 – Chemistry – Organic chemistry

Question: why is $\text{CH}_3\text{CH}_2\text{NH}_2$ more basic than $\text{CH}_3\text{CH}_2\text{CONH}_2$? also whats $\text{CH}_3\text{CH}_2\text{CONH}_2$ called

Answer:

$\text{CH}_3\text{CH}_2\text{CONH}_2$ is acetamide.

It is less basic than $\text{CH}_3\text{CH}_2\text{NH}_2$ (ethanamine) because of delocalization of lone electron pair responsible for basicity in the amide, but ethanamine has no this delocalization:



Answer provided by AssignmentExpert.com