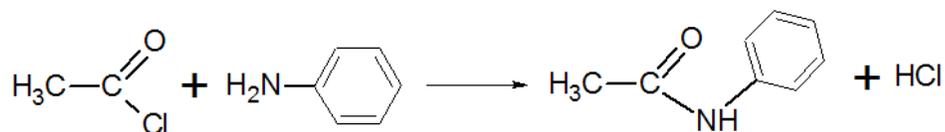


Question #57716, Chemistry / Organic Chemistry

When ethanoyl chloride reacts with phenylamine, how the product is named?

How do biologists call this type of bond?

Answer:



Product of this reaction is named N-phenylethanamide.

The following bond is formed during this reaction: $\begin{array}{c} \text{O} \quad \text{H} \\ \parallel \quad | \\ \text{---C---N---} \end{array}$. In biology such is called the peptide bond, and it is typical for proteins – the most important compounds for all living creatures.