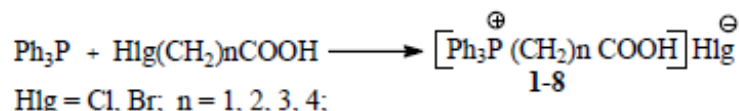


Triphenylphosphine in reactions with ω -haloalkylcarboxylic acids

Bakhtiyarova Yu.V.^{*}, Romanov S.R., Aksunova A.F., Galkina I.V., Galkin V. I.
Kazan Federal University, Alexander Butlerov Institute of Chemistry
Kremlevskaya str. 18, 420008, Kazan, Russia
julbakh@mail.ru

Triphenylphosphine was involved to reactions with ω -haloalkylalkylcarboxylic acids.



The structure of obtained phosphonium salts **1-8** has been confirmed by complex of physical and physico-chemical methods, including X-ray analysis for three compounds.

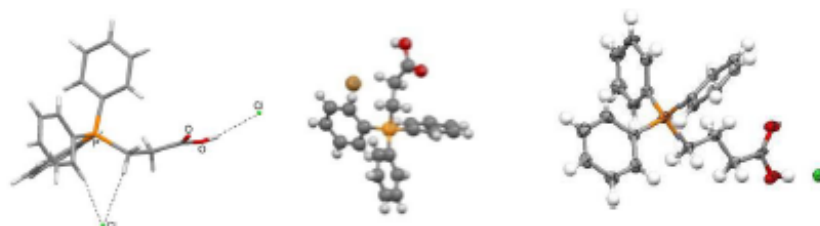
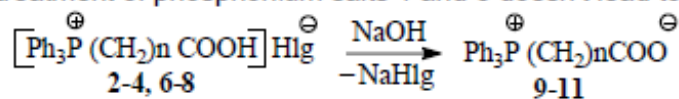


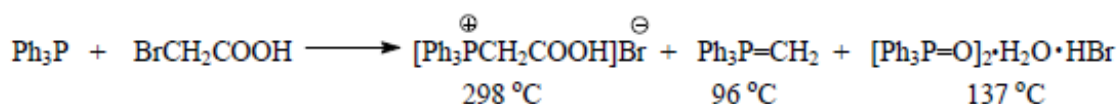
Figure 1. Geometry of elementary cell for crystals of phosphonium salts **2**, **3** and **6**

On the second stage phosphonium salts **2-4** and **6-8** have been treated by 1 M aqueous solution of sodium hydroxide with the formation of phosphobetaines **9-11**. The similar treatment of phosphonium salts **1** and **5** doesn't lead to target phosphobetaines.



Hlg = Cl (**2-4**), Br (**6-8**); $n = 2, 3, 4$;

Interaction of triphenylphosphine with bromoacetic acid by alloyage in absence of solvent leads to formation of three products, the major being complex with M.p. 137°C confirmed by X-ray analysis.



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