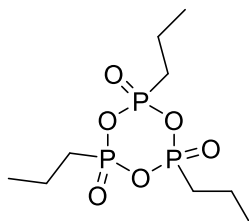


## T3P<sup>®</sup> - An exceptional reagent for amide bond formation

Amide-bond formations play an outstandingly important role in organic- and biochemistry due to the wide spread presence of peptides in nature and pharmacological applications. Hence, the need for suitable synthetic methods and reagents is imminent, fulfilling the need for chemical suitability, safety and lastly overall process applicability. T3P<sup>®</sup> resembles an exceptional reagent, fulfilling all the criteria mentioned above. The eye-catching phosphorus-based compound has been applied successfully in laboratory- to ton-scale enabling e.g. standard amide/peptide couplings, macrocyclizations, nitrile-formations and the reaction of racemization/epimerization-prone substrates. Leading beyond, further applications such as solid-phase synthesis have been demonstrated, expanding the countless applications in industry and academia.



**T3P<sup>®</sup>**

*n*-Propanephosphonic acid anhydride