

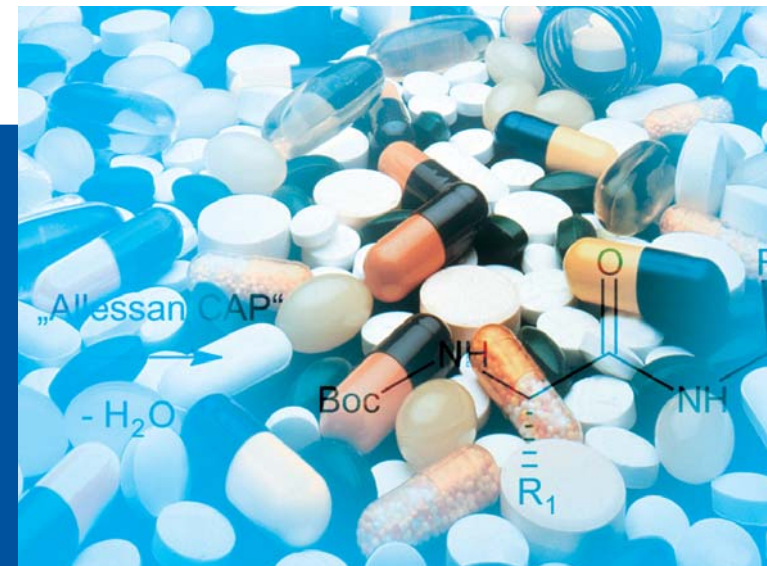
Higher Yield in Coupling Reactions

Allessan® CAP is used as a water-removing agent during coupling reactions, mostly in the pharmaceutical and chemical industries:

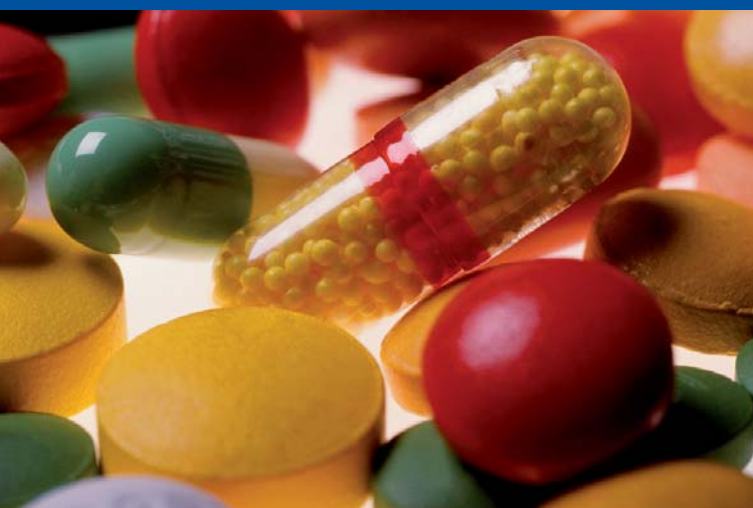
- The pharmaceutical industry uses Allessan® CAP mainly in the synthesis of peptides as active pharmaceutical ingredients or advanced building blocks.
- The chemical industry puts Allessan® CAP to use for any condensations or coupling reactions which require the efficient removal of water.

AllessaChemie GmbH – Compounds of Success

AllessaChemie GmbH, based in Frankfurt-Fechenheim (Germany), is a competent and reliable production partner of organic intermediates and end products. The company was founded on July 1, 2001 by taking over the locations Frankfurt-Fechenheim, Offenbach and some units of the Frankfurt-Griesheim site from Clariant AG, which in turn had acquired the fine chemical business from Hoechst AG in 1997. AllessaChemie GmbH's product portfolio comprises a broad spectrum of intermediates which are used by the specialty chemicals industry. In addition, the company produces various specialty chemicals for final processing by the customer, which are specifically tailored to the customer's needs.



Allessan® CAP –
a Highly Versatile and
Affordable Coupling
Agent



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Main Advantages

- **Allessan® CAP** does not change the configuration of optically active centres.
- **Allessan® CAP** has a very low toxicity and a very low sensitization potential.
- **Remnants** of Allessan® CAP can be removed completely and efficiently from the reaction mix by simple water washes.
- **Allessan® CAP** is a highly affordable reagent with much better economics than many of the alternatives.
- **Dosing** of the liquid Allessan® CAP formulations is technically much easier and more precise than the addition of solid alternative reagents.
- **Allessan® CAP** reacts at very mild reaction conditions.

Specifications

Molecular Weight: 318 g/mol
Empirical Formula: [C₃H₇O₂P]₃
CAS-No.: 68957-94-8

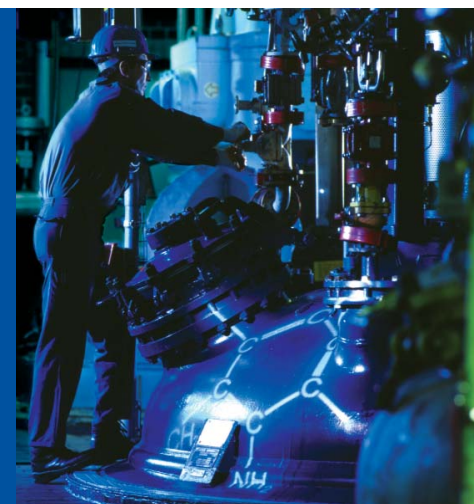
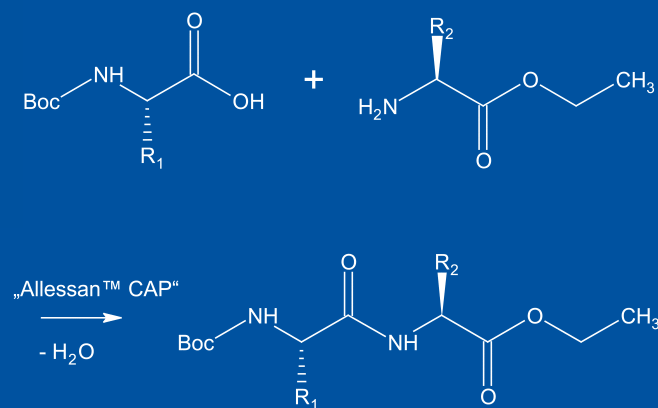
Allessan® CAP is listed within the European ELINCS register.

Delivery Forms

Concentration: Allessan® CAP is typically offered as a solution in an organic solvent with an assay of 50 to 60 weight-%.

Solvents: We offer a broad range of polar organic solvents, for example ethyl acetate, acetonitrile or butylacetate (and comparable solvents). Therefore our customers can flexibly adapt our delivery form to the needs of their processes.

No.	Quality Characteristics/ Parameter/Content	Analytical Method	Unit	Specified Value/ Area
1	Appearance	visual	-	clear, tanned solution
2	Active content	Titration	% m/m	min. 50
3	Solvent content	GC	% m/m	40 - 47
4	Content of solvent free Allessan® CAP	Calculation	% m/m	53 - 60
5	HCl content of Allessan® CAP solution	IC	% m/m	< 0,1



With specialized production plants AllessaChemie GmbH produce performance chemicals in a large industrial scale.