

Publication List – Prof. Philippe Bertus

- 1** – Silver salts as new catalyst for coupling reactions; synthesis of epoxyenynes.
Bertus, P.; Pale, P.
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- 2** – Synthesis of enynes related to neocarzinostatin using the new Pd/Ag catalysed coupling reaction.
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- 3** – Synthesis of enynes and epoxyenynes by coupling: use of a new set of catalysts based on Pd - Ag salts.
Bertus, P.; Pale, P.
J. Organomet. Chem. **1998**, *567*, 173–180.
- 4** – General synthesis of chiral β -hydroxy sulfones via enantioselective ruthenium-catalyzed hydrogenation.
Bertus, P.; Phansavath, P.; Ratovelomanana-Vidal, V.; Genêt, J.-P.; Touati, A. R.; Homri, T.; Ben Hassine, B.
Tetrahedron Lett. **1999**, *40*, 3175–3178.
- 5** – Enantioselective hydrogenation of β -keto sulfones with chiral Ru(II)catalysts : synthesis of enantiomerically pure butenolides and γ -butyrolactones.
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Tetrahedron: Asymmetry **1999**, *10*, 1369–1380.
- 6** – A direct conversion of α,β -unsaturated ketones to vinylcyclopropanes: new zirconium-mediated reaction.
Bertus, P.; Gandon, V.; Szymoniak, J.
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- 7** – Reaction of 3-trimethylsilyloxy-2-aza-1,3-dienes with zirconocene: a transition metal promoted retro-Brook rearrangement.
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- 9** – A straightforward synthesis of cyclopropanes from aldehydes and ketones.
Gandon, V.; Bertus, P.; Szymoniak, J.
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- 10** – Unusual cleavage of the enolsilane C-O bond: Transformation of 2-silyloxy-1,3-dienes into 1,3-dienyl-2-zirconium compounds and their cross-coupling reactions.
Ganchegui, B.; Bertus, P.; Szymoniak, J.
Synlett **2001**, 123–125.
- 11** – Pentadienylzirconium compounds : Easily accessible new reagents for selective pentadienylation reactions.
Bertus, P.; Cherouvrier, F.; Szymoniak, J.
Tetrahedron Lett. **2001**, *42*, 1677–1680.
- 12** – First evidence for the use of organosilver compounds in Pd-catalyzed coupling reactions; A mechanistic rationale for the Pd/Ag-catalyzed enyne synthesis?
Dillinger, S.; Bertus, P.; Pale, P.
Org. Lett. **2001**, *3*, 1661–1664.
- 13** – Zirconium-catalyzed ethylmagnesiation of imines: Scope and mechanism.
Gandon, V.; Bertus, P.; Szymoniak, J.
Eur. J. Org. Chem. **2001**, 3677–3681.

- 14** – New and facile route to primary cyclopropylamines from nitriles.
Bertus, P.; Szymoniak, J.
Chem. Commun. **2001**, 1792–1793.
- 15** – The first direct coupling of 1-trialkylsilyl-1-alkynes with vinyl triflates; a new access to enynes.
Halbes, U.; Bertus, P.; Pale, P.
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Bertus, P.; Halbes, U.; Pale, P.
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- 17** – On the mechanism on the zirconium-catalysed addition of ethyl Grignard reagents to imines.
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C. R. Chimie **2002**, 5, 127–130.
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- 19** – Ti(II)-mediated conversion of α -heterosubstituted (O, N, S) nitriles to functionalized cyclopropylamines. Effect of chelation on the cyclopropanation step.
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- 20** – Specific solvent effect on R_2ZrCl_2 (R=butyl, ethyl) reactivity, a density functional study.
Derat, E.; Bouquant, J.; Bertus, P.; Szymoniak, J.; Humbel, S.
J. Organomet. Chem. **2002**, 664, 268–276.
- 21** – Ti-mediated chemoselective conversion of cyanoesters and cyanoamides into β -aminoesters and 1-aza-spirolactams bearing a cyclopropane ring.
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- 26** – Evidence for the *in situ* formation of copper acetylides during Pd/Cu catalyzed synthesis of enynes : a new synthesis of allenynols.
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- 28** – Review : Zirconocene complexes as new reagents for the synthesis of cyclopropanes.
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- 29** – Titanium-mediated [4+1] assembly of 1,3-dienes and nitriles: formation of 3-cyclopentenyl amines and cyclopentenones.
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- 36** – Convenient access to 2-arylpyrroles from 2-lithio-*N,N*-dibenzylcyclopropylamine and nitriles.
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- 40** – Synthesis of 5-spirocyclopropyl deoxyrhamnnojirimycin as a constrained naringinase inhibitor.
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- 43** – Synthesis of a C-glucosylated cyclopropylamide and evaluation as a glycogen phosphorylase inhibitor.
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- 45** – Preparation and some synthetic applications of 2-hydroxyethyl substituted cyclopropylamines.
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