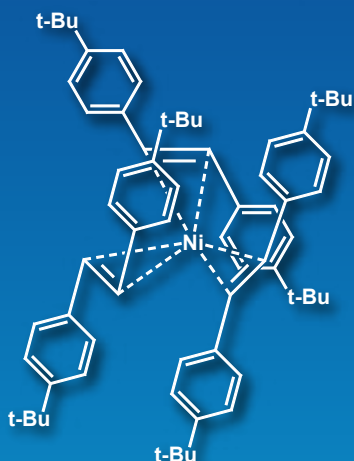


New

CHEMISTRY



Air-Stable Tris(stilbene) Nickel(0) Complex



Tris[*trans*-1,2-bis(4-*tert*-butylphenyl)ethene]nickel(0)

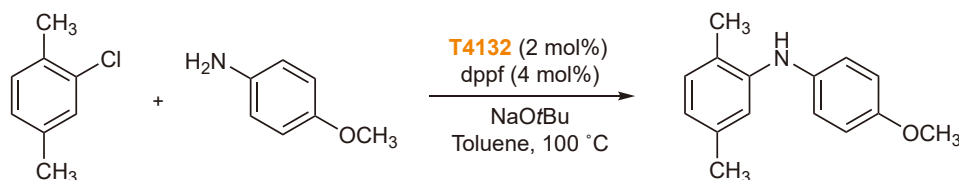
1g
[T4132]

Advantages

- Zero-valent nickel complex that can be handled in air
- Applicable to nickel(0)-catalysed cross-coupling reactions
- High reaction activity due to bulky *trans*-stilbene ligands

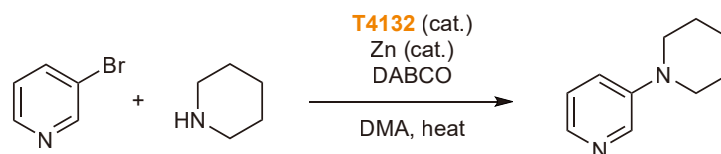
Applications

Buchwald-Hartwig reaction using a highly active nickel-tris(stilbene) complex



Reference L. Nattmann, J. Cornella, *Organometallics* **2020**, 39, 3295. <https://doi.org/10.1021/acs.organomet.0c00485>

C-N cross-coupling of heteroaryl bromides with secondary/primary amines



Reference R. Saeb, B. Boulenger, J. Cornella, *Org. Lett.* **2024**, 26, 5928. <https://doi.org/10.1021/acs.orglett.4c01738>

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Related Products

***trans*-4,4'-Di-*tert*-butylstilbene**
Bis(1,5-cyclooctadiene)nickel(0)

1g / 5g [E1522]

5g [B6553]

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TCI nickel catalysts



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Tel : +81 (0)3-5640-8878
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