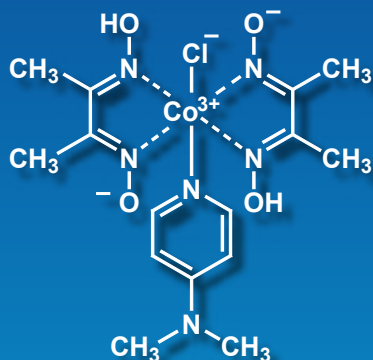


New

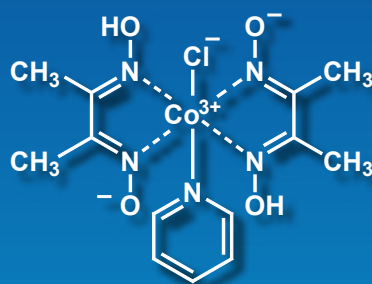
CHEMISTRY

TCI®

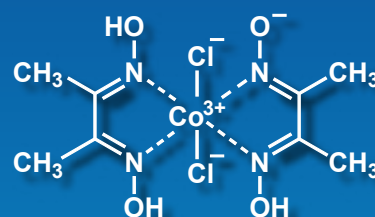
Cobalt Complexes for Oxidant-Free Dehydrogenative Cross Coupling



Co(dmgh)₂(DMAP)Cl
1g
[C3711]



Co(dmgh)₂PyCl
1g
[C3718]

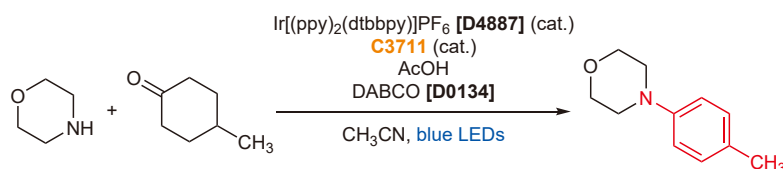


Co(dmgh)₂Cl₂
1g / 5g
[D5924]

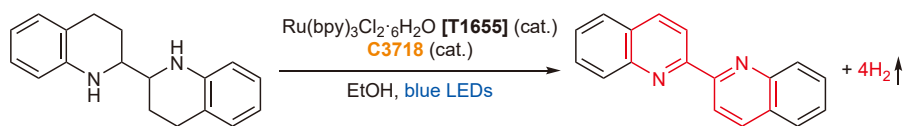
Advantages

- Aromatizes cyclohexane rings through the dehydrogenative reaction using a photoredox catalyst, without the need of oxidants or hydrogen acceptors
- Applicable to the dehydrogenative C-N and C-S bond formation
- Catalyzes the dehydrogenation of nitrogen-containing heterocycles

Applications



Reference S. U. Dighe, D. Leonori, et al., *Nature* **2020**, 584, 75. <https://doi.org/10.1038/s41586-020-2539-7>



Reference K. He, G. Zhou, Y. Li, et al., *Angew. Chem. Int. Ed.* **2017**, 56, 3080. <https://doi.org/10.1002/anie.201612486>

Related Products

Ir[(ppy)₂(dtbbpy)]PF₆
1,4-Diazabicyclo[2.2.2]octane (= DABCO)
Ru(bpy)₃Cl₂·6H₂O

200mg [D4887]
25g / 100g / 500g [D0134]
1g / 5g [T1655]

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