

New

TCI

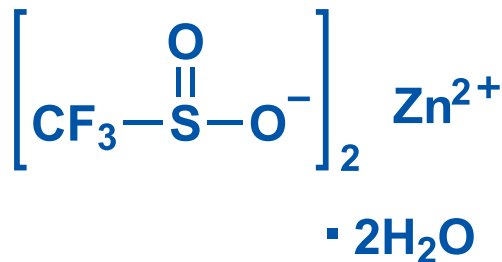
三氟甲基化试剂

优势

- 对水、空气稳定
- 与非卤化物反应
- 环境友好

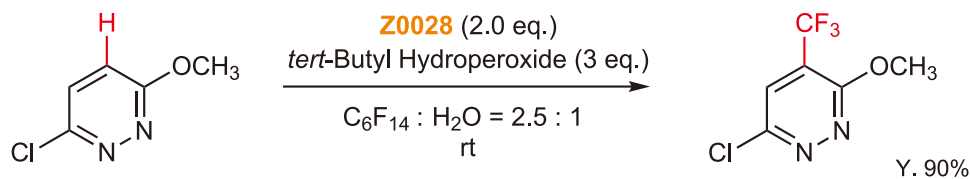
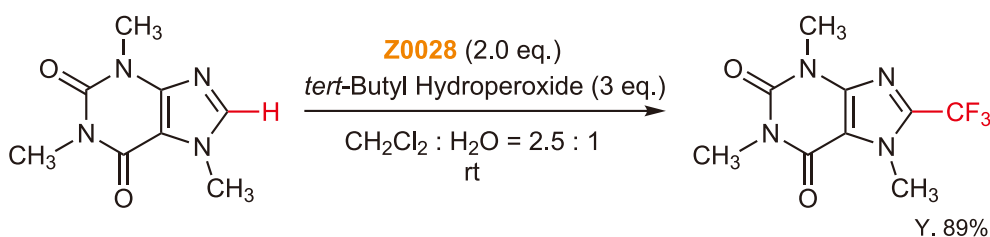
Z0028能够活化杂环中的C-H键，用一个三氟甲基取代。

Z0028是一种环境友好的试剂，因为反应即可在水中也可在有机溶剂中进行。



[Z0028]

反应举例

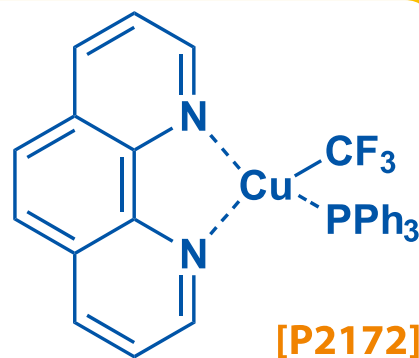


P. S. Baran, et al. *Nature* **2012**, 492, 95.

优势

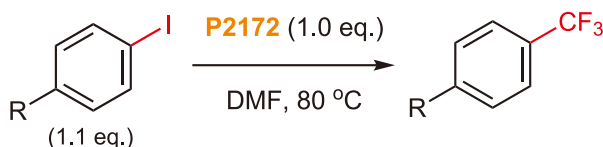
- 空气中稳定的有机铜复合物
- 多种物质可应用于芳烃的三甲基氟化反应
- 三甲基氟化反应简单易操作

近来含有三甲基芳基生物活性化合物被广泛利用，**P2172**可以引入三氟甲基基团，对于药理活性表达非常有用。



[P2172]

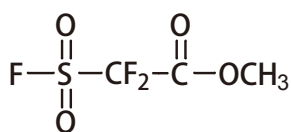
反应举例



R	Yield(%)	R	Yield(%)
H	65	F	60
CH ₃	60	NO ₂	70
OCH ₃	65	CN	85
Cl	80	CF ₃	60

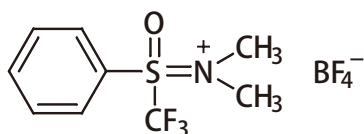
O. A. Tomashenko, E. C. Escudero-Adán, M. M. Belmonte, V. V. Grushin, *Angew. Chem. Int. Ed.* **2011**, 50, 7655.

其他三氟甲基化试剂



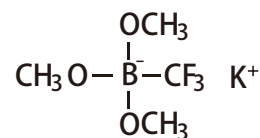
**Methyl Difluoro
(fluorosulfonyl)acetate**

[F0311]



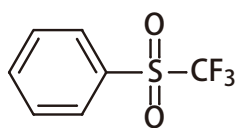
Shibata Reagent I

[O0367]



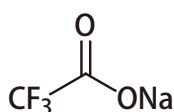
**Potassium Trimethoxy
(trifluoromethyl)borate**

[P2036]



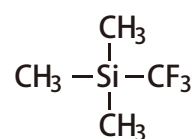
**Phenyl Trifluoromethyl
Sulfone**

[P2195]



Sodium Trifluoroacetate

[T1336]



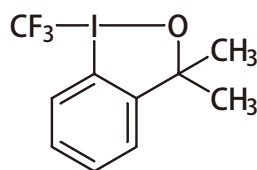
Ruppert-Prakash Reagent

[T1570]



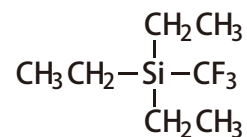
Langlois Reagent

[T2033]



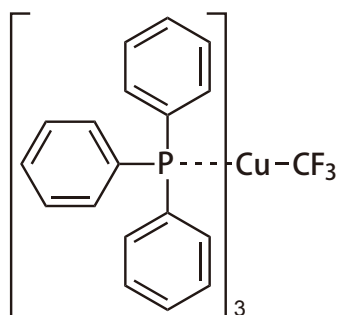
Togni Reagent

[T2624]



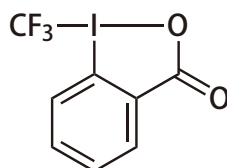
Triethyl(trifluoromethyl)silane

[T2764]



**(Trifluoromethyl)tris
(triphenylphosphine)copper(I)**

[T2883]



Togni Reagent II

[T3014]

更多信息，请查看我们的主页：www.TCIchemicals.com

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