

# Editors' Choice

This week the ChemInform editors have been strongly impressed by the following remarkable study:

Pyridine derivatives

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## Gold-Catalyzed $\beta$ -Regioselective Formal [3 + 2] Cycloaddition of Ynamides with Pyrido[1,2-b]indazoles: Reaction Development and Mechanistic Insights.—

An unprecedented gold(I)-induced  $\beta$ -site regioselective formal [3 + 2] cycloaddition of ynamides with pyrido[1,2-b]indazoles is reported, giving the title compounds in good to excellent yields. A complex of gold(I) catalyst with ynamide is isolated and characterized by X-ray diffraction analysis for the first time. Mechanistic investigations suggest a reaction pathway involving a gold-stabilized carbocation intermediate, which in turn participates in sequential C—H bond functionalization of the ortho-position of the phenyl ring. — (YU, Y.; CHEN, G.; ZHU, L.; LIAO, Y.; WU, Y.; HUANG\*, X.; *J. Org. Chem.* 81 (2016) 18, 8142-8154, <http://dx.doi.org/10.1021/acs.joc.6b01948>; Fujian Inst. Res. Struct. Matter, Chin. Acad. Sci., Fuzhou 350002, Fujian, Peop. Rep. China; Eng.) — S. Adam



