

K_3PO_4 catalyzed carbonylation reaction of amines to formamides

최영섭, 이지우¹, 정민석¹, 김훈식^{1,*}
고려대학교; ¹경희대학교 화학과
(khs2004@khu.ac.kr*)

Potassium phosphate(K_3PO_4) shows surprisingly high activity for the carbonylation of various amines to produce formamides in high yields. The computational calculation results on the carbonylation reaction of methylamine shows that K_3PO_4 has the higher catalytic activity.