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# DMF·HCl as a versatile and straightforward *N*- and *O*-formylating agent

Dulce G. Ramírez-Vázquez, Omar Viñas-Bravo , Roxana Martínez-Pascual ,  
Lemuel Pérez-Picaso & Karla Viridiana Castro-Cerritos


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## Abstract

Inspired by the serendipitous isolation of *N*-formylpiperazines when we attempted the synthesis of a series of piperazines, we have developed a straightforward methodology for the *N*- and *O*-formylation of secondary cyclic amines, anilines and steroids, respectively. Such approach is based on the hitherto non-reported use of DMF·HCl

