

Synthesis of *N*-(1,5,3-Dithiazepan-3-yl)- and *N*-(1,5,3-dithiazocan-3-yl)amides in the Presence of Lanthanide Catalysts

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Abstract—A new method was developed for preparation of *N*-(1,5,3-dithiazepan-5-yl)- and *N*-(1,5,3-dithiazocan-5-yl)amides by transamination of *N*-*tert*-butyl-1,5,3-dithiazepane and *N*-*tert*-butyl-1,5,3-dithiazocane, and also by recyclization of 1-oxa-3,6-dithiacycloheptane and 1-oxa-3,7-dithiacyclooctane with carboxylic acids hydrazides in the presence of catalysts based on rare earth elements.

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