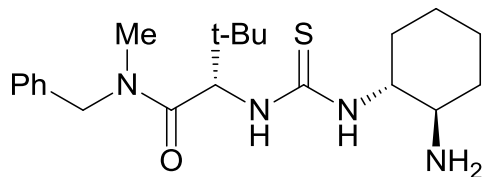
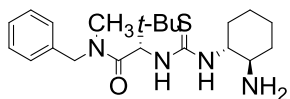
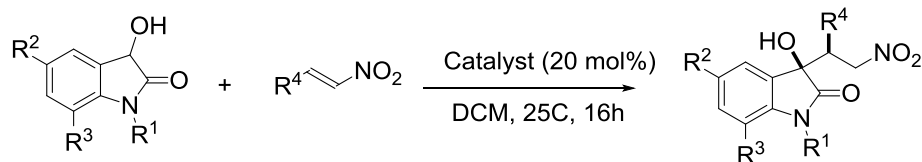
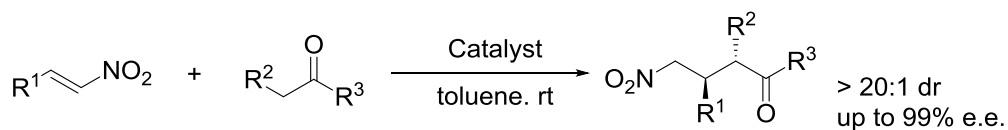


Catalog # 07-0956 (2S)-2-[[[(1R,2R)-2-Aminocyclohexyl]amino]thioxomethyl]amino]-N,3,3-trimethyl-N-(phenylmethyl)butanamide



Technical Notes:

- Conjugate Addition:** Primary amine-thiourea derivative is an active and highly enantioselective catalyst for the conjugate addition of ketones to nitroalkenes.
- Michael Addition:** The asymmetric Michael addition of dioxindoles to β -substituted nitroalkenes is reported. The bifunctional primary amine-thiourea, by means of a non-covalent-based mode of catalysis, secures direct access to 3-substituted 3-hydroxyoxindole derivatives with high stereocontrol.



primary amine-thiourea
in non-covalent organocatalysis

References:

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- Chem. Commun.*, **2012**, *48*, 3336-3338.