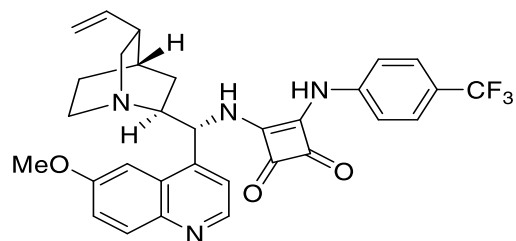
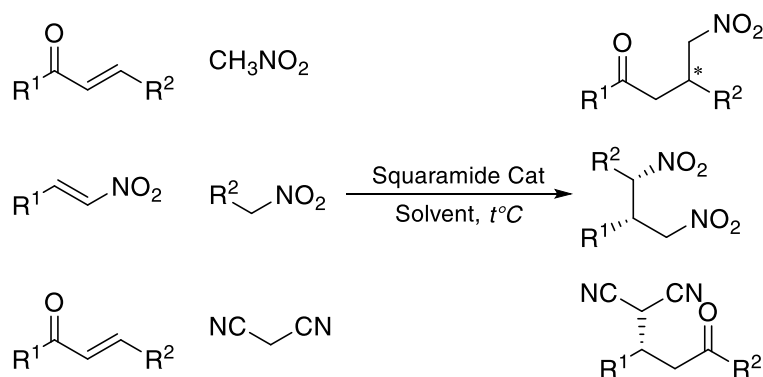


Catalog # 07-1422 3-[[[9R)-6'-Methoxycinchonan-9-yl]amino]-4-[[4-(trifluoromethyl)phenyl]amino]-3-cyclobutene-1,2-dione

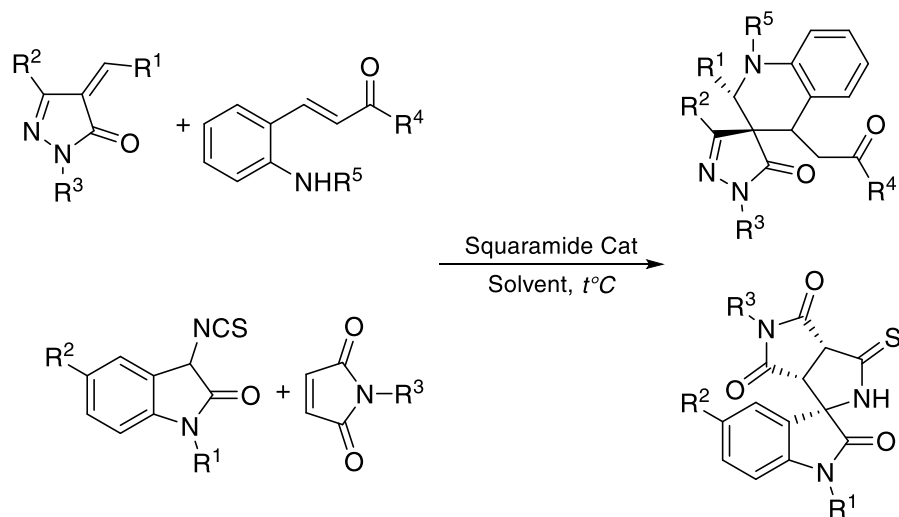


Technical Notes

1. Catalyst for highly enantioselective Michael addition of nitroalkanes to chalcones [1], nitroalkanes to nitroalkenes [2], malononitrile to chalcones.
2. Organocatalyst for cascade aza-Michael/Michael addition [4] and for the asymmetric Michael/cyclization cascade reactions [5] for synthesis of highly functionalized spiro-pyrazolone tetrahydroquinolines and pyrrolidonyl spirooxindoles.



Tech. Note (1); Ref. (1-3)



Tech. Note (2); Ref. (4-5)

References:

1. *Org. Lett.*, **2010**, *12*, 5450.
2. *Chem. Commun.*, **2011**, *47*, 12706.
3. *Org. Biomol. Chem.*, **2012**, *10*, 332.
4. *Chem. Asian J.* **2014**, *9*, 3278.
5. *Eur. J. Org. Chem.* **2016**, 4711.