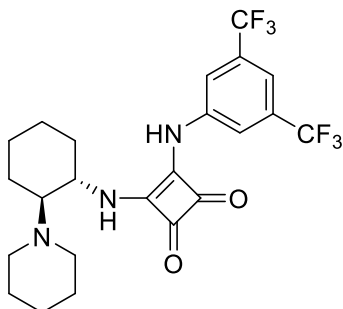
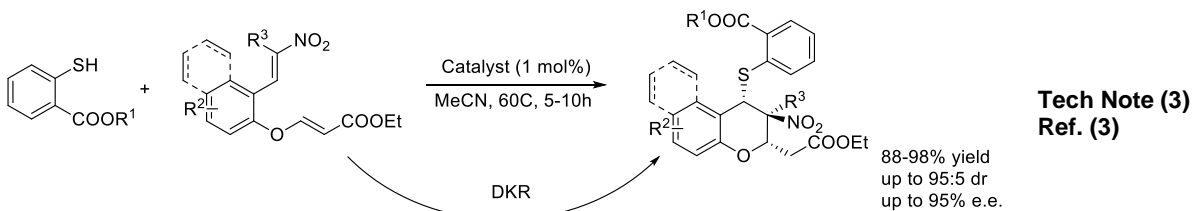
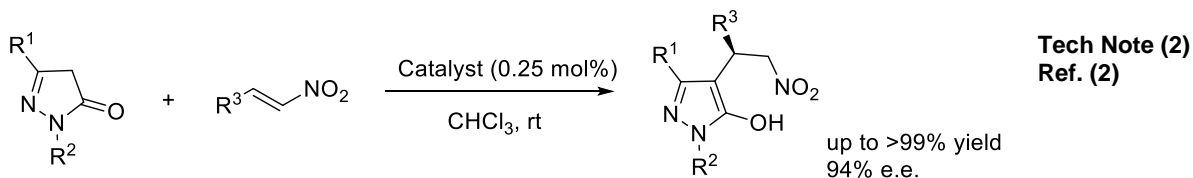
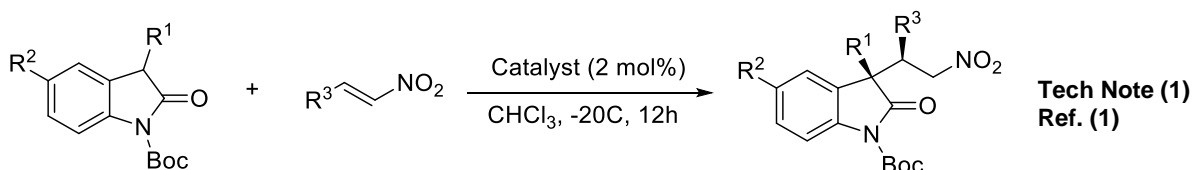


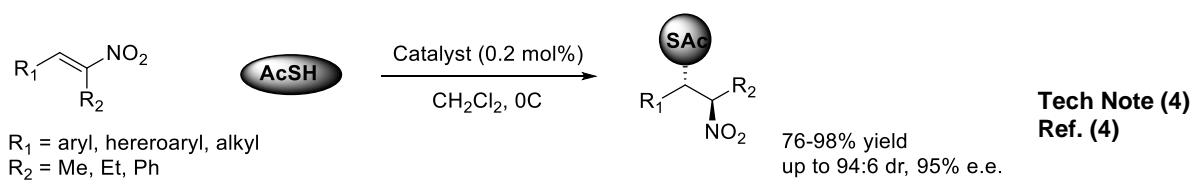
Catalog # 07-1423 3-[[[(9R)-6'-Methoxycinchonan-9-yl]amino]-4-[[4-(trifluoromethyl)phenyl]amino]-3-cyclobutene-1,2-dione



#### Technical Notes:

1. An efficient diastereo- and enantioselective Michael addition of 3-substituted oxindoles onto nitroalkenes catalyzed by a bifunctional chiral squaramide catalyst has been developed.
2. An efficient chiral squaramide-catalysed enantioselective Michael addition of pyrazolin-5-ones to nitroalkenes has been developed.
3. An efficient asymmetric cascade sulfa-Michael/Michael addition reaction catalyzed by a chiral bifunctional squaramide-tertiary amine catalyst has been developed.
4. A highly enantio- and diastereoselective sulfa-Michael addition of thioacetic acid to  $\alpha,\beta$ -disubstituted nitroalkenes catalysed by a chiral squaramide organocatalyst has been described.





## References:

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2. *Org. Biomol. Chem.*, **2013**, 11, 6215-6223.
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