Totalsynthese von (−)-Aspidophytin


1) EtOHNa/EtOH
2) 1N HCl, THF, RT
3) Rekristallisierung

70% (85% ee)

TsOH, Toluol
Reflux, 90%

ee = 97%

56% (2 Stufen)

73%

87% (2 Stufen)

60% (4 Stufen)
1) Na, Naphthalin, THF, -78 °C, 80%
2) H₂, 10% Pd/C, EtOAc, 25 °C
24h, 58%

HO⁻→Br

43% (3 Stufen)

66%

NaOH, EtOH, 70 °C, dann:

(−)-Aspidophytin
> 99% ee