

Green design

Conventional method

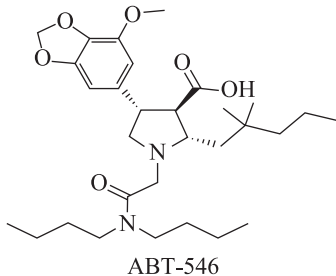
Resolution with tartaric acid



Requires several crystallisation with only 40 % yield



Solvent removal and extraction



Green method

Prochiral starting material

88 % selectivity



β -Keto ester

Catalyst in water

Nitro olefin



96 % yield

Fig. 3. Green design process for the synthesis of ABT-546.

Source: [25]