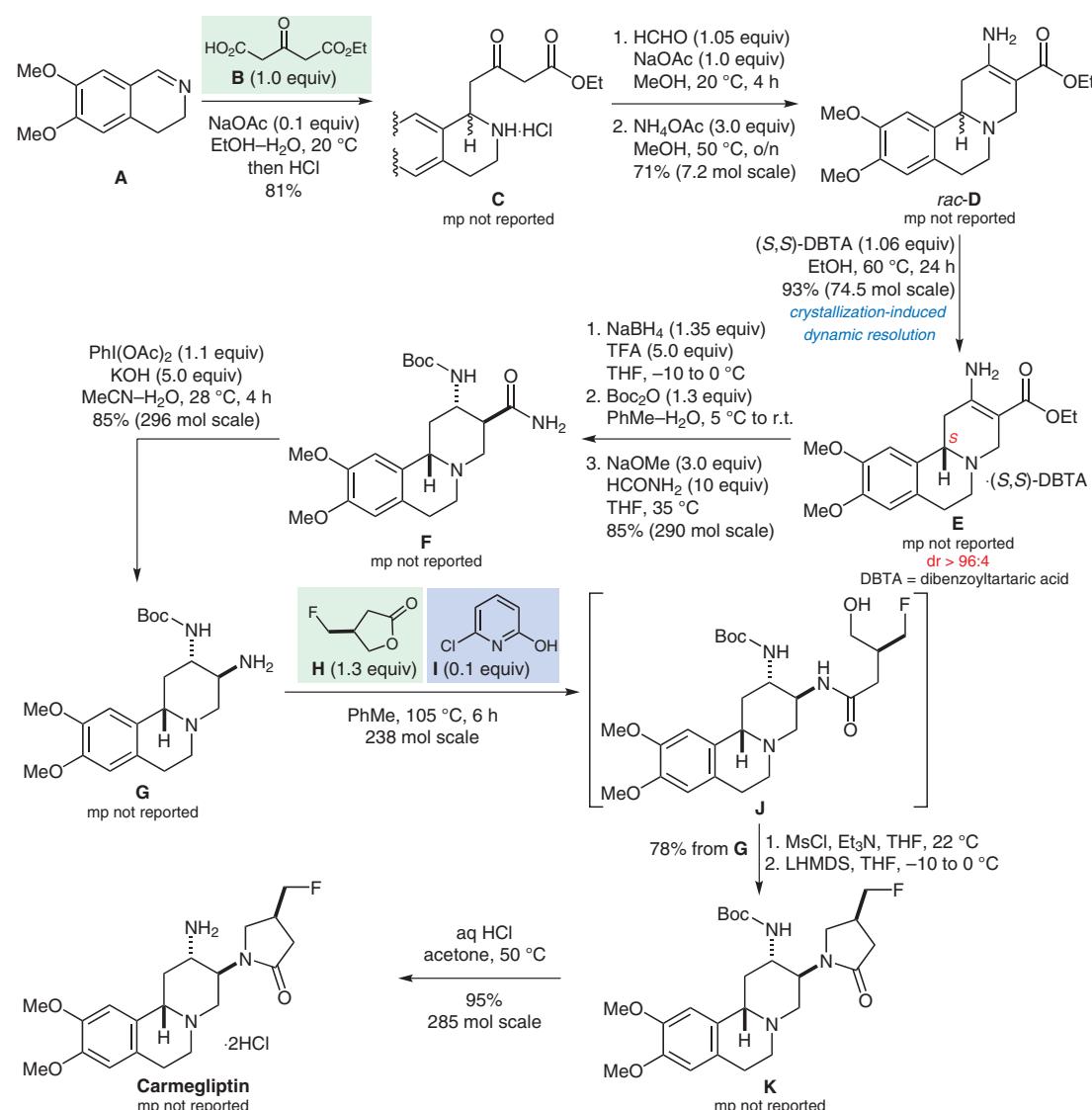


Synthesis of Carmegliptin



Significance: Carmegliptin is a dipeptidyl dipeptidase-IV inhibitor under development for the treatment of type-2 diabetes. Over 1000 kg was synthesized by the route depicted featuring an efficient crystallization-induced dynamic resolution of *rac*-D and a large-scale Hofmann rearrangement of the amide F.

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