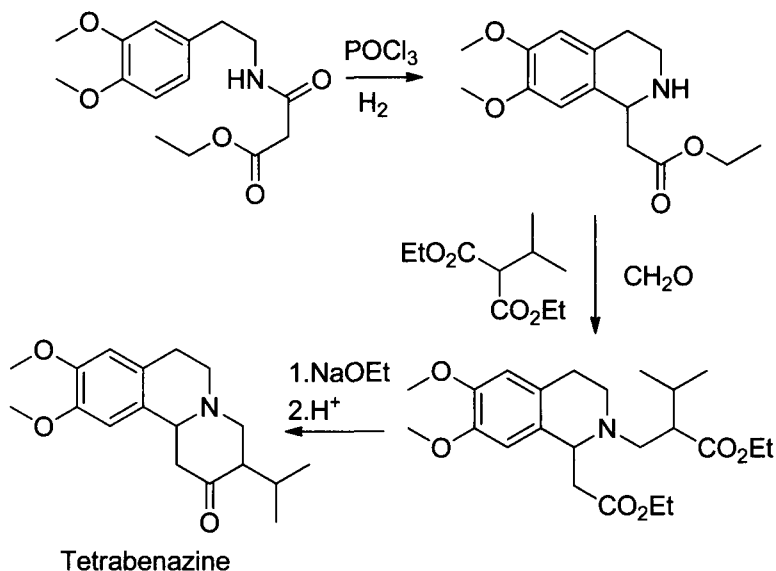
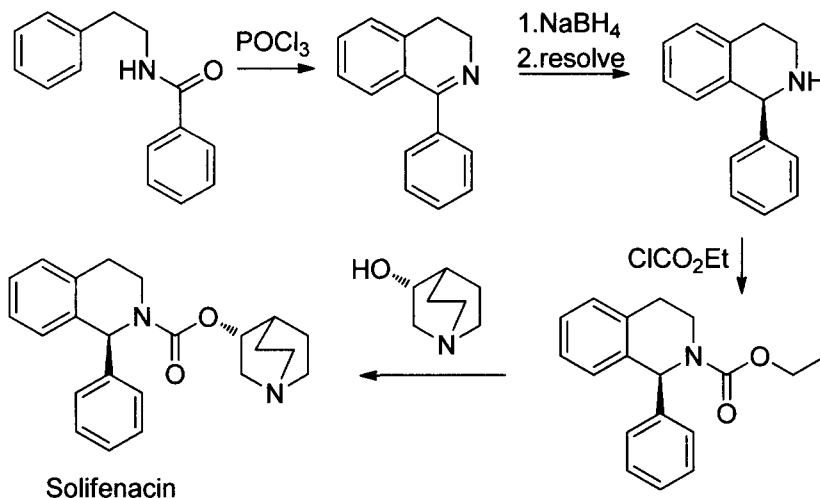


Several biological potent compounds bearing a isoquinoline core in their structures relied their synthesis on a Bischler–Napieralski reaction. The isoquinoline core of anticholinergic agent solifenacin, intended as a drug for treating urinary incontinence, is prepared from benzamide of 2-phenylethylamine with phosphorous oxychloride, using a classic Bischler–Napieralski reaction. The formed imine is reduced, resolved, and transformed to the asymmetric amide of the drug.¹¹⁶



The tricyclic isoquinoline compound tetrabenazine, a drug that has been used as an anti-psychotic agent and was also being studied for the treatment of some of the deleterious effects of the anti-psychotic dopamine