

Fused pyridine derivatives

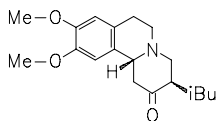
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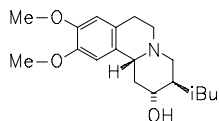
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A Concise Total Synthesis of (+)-Tetrabenazine and (+)- α -Dihydrotetrabenazine.

— Tetrabenazine (I) is applied in racemic form as drug for the treatment of chorea associated with Huntington's disease. Dihydrotetrabenazine (II) is an active metabolite of compound (I). Optically pure compounds (I) and (II) are necessary for the development of drugs with improved efficacy and fewer adverse drug reactions. — (PAEK, S.-M.; KIM, N.-J.; SHIN, D.; JUNG, J.-K.; JUNG, J.-W.; CHANG, D.-J.; MOON, H.; SUH*, Y.-G.; Chem. Eur. J. 16 (2010) 15, 4623-4628, DOI:10.1002/chem.200902591; Coll. Pharm., Seoul Natl. Univ., Seoul 151-742, S. Korea; Eng.) — Klein



(+)–I*



(+)–II*