

Supplementary Materials: An Asymmetric Intramolecular Rau- hut-Currier Reaction Initiated by Chiral Selenolate-BINOL Complexes

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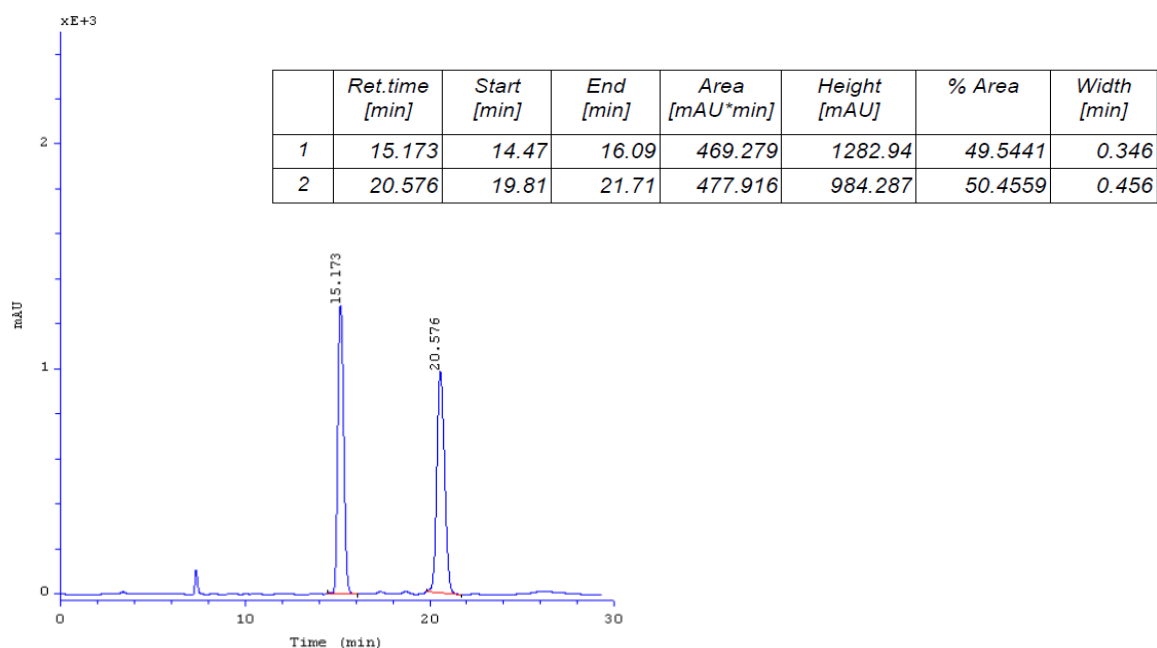


Figure S1. HPLC for racemic mixture of product 4, (entry 6 in table 4).

Standard reaction conditions - 1 equiv *n*-BuSeLi, 1 equiv 3, 20 equiv H₂O, 6 equiv *t*-BuOK, THF:ACN 1:3, for 24 h (10 h at T1; 14 h at T2). The reaction was quenched with 5 equiv of H₂O₂ and 5 equiv of pyridine. C = 0.08 M.

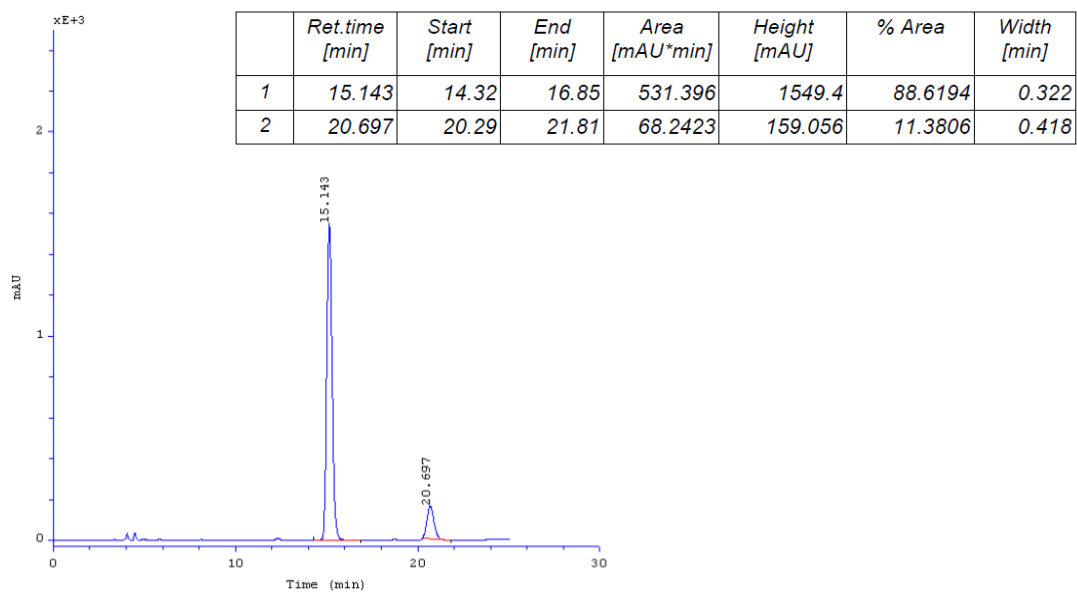


Figure S2. HPLC for reaction with (*S*)-BINOL-scandium triflate(III)-NMM complex (table 10, entry 5).

Standard reaction conditions – 1 equiv *n*-BuSeLi, 1 equiv **3**, 1 equiv of complex **15**, THF:DCM 1:3. 24 h. The reaction was quenched by 5 equiv of H₂O₂ and 5 equiv of pyridine, C = 0.08.

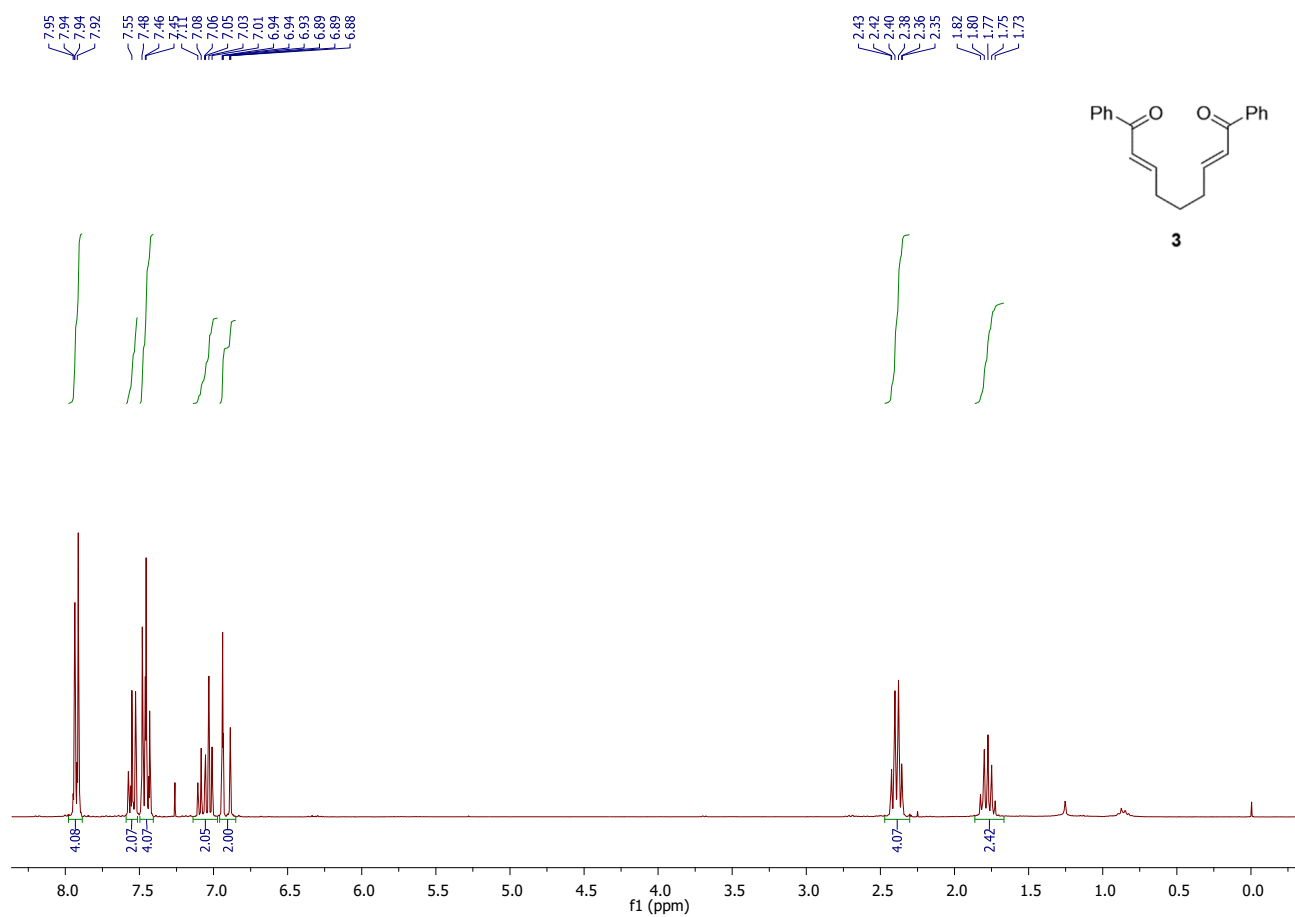


Figure S3. ¹H-NMR spectra of compound **3** (CDCl₃).

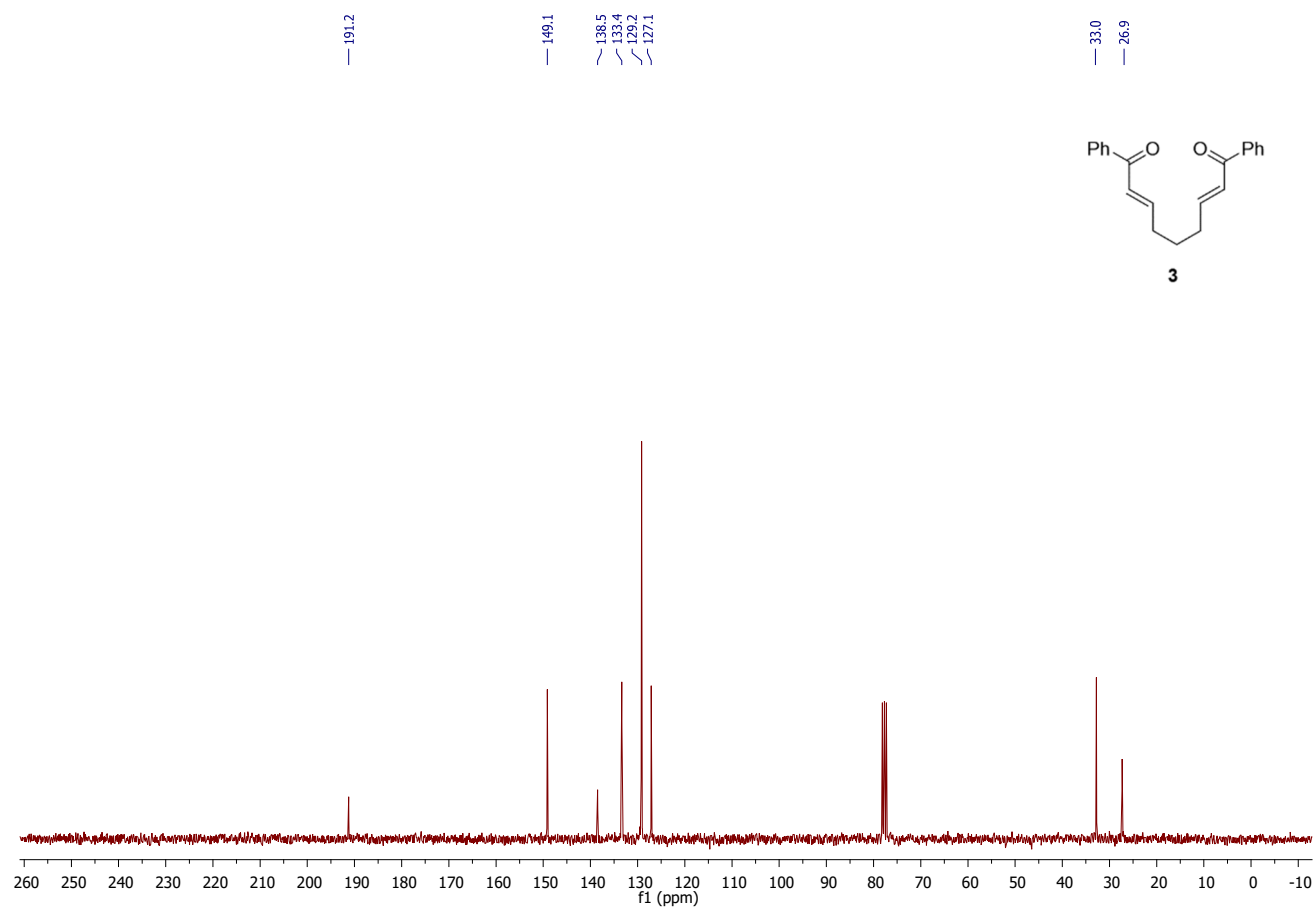


Figure S4. ¹³C-NMR spectra of compound **3** (CDCl₃).

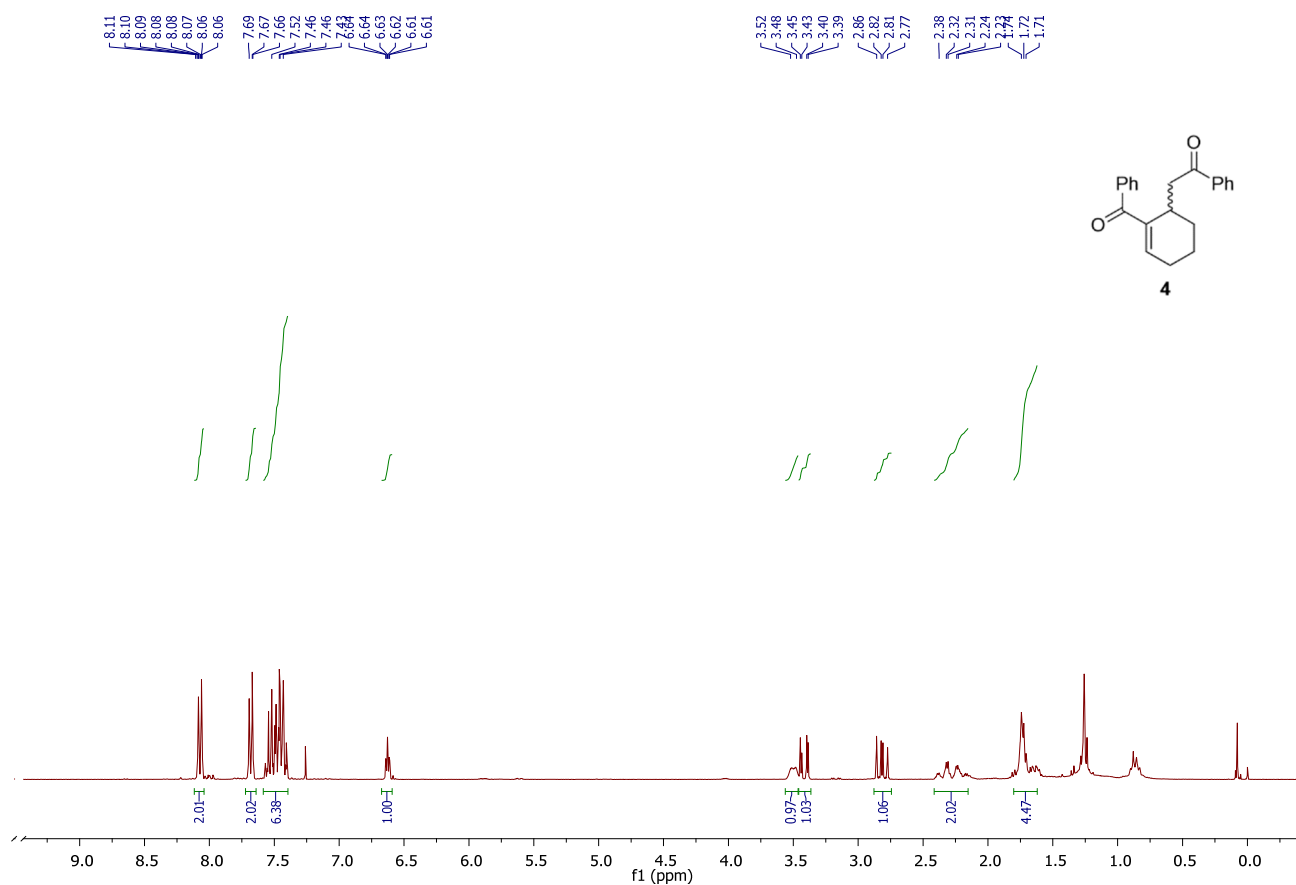


Figure S5. ¹H-NMR spectra of compound **4** (CDCl₃).

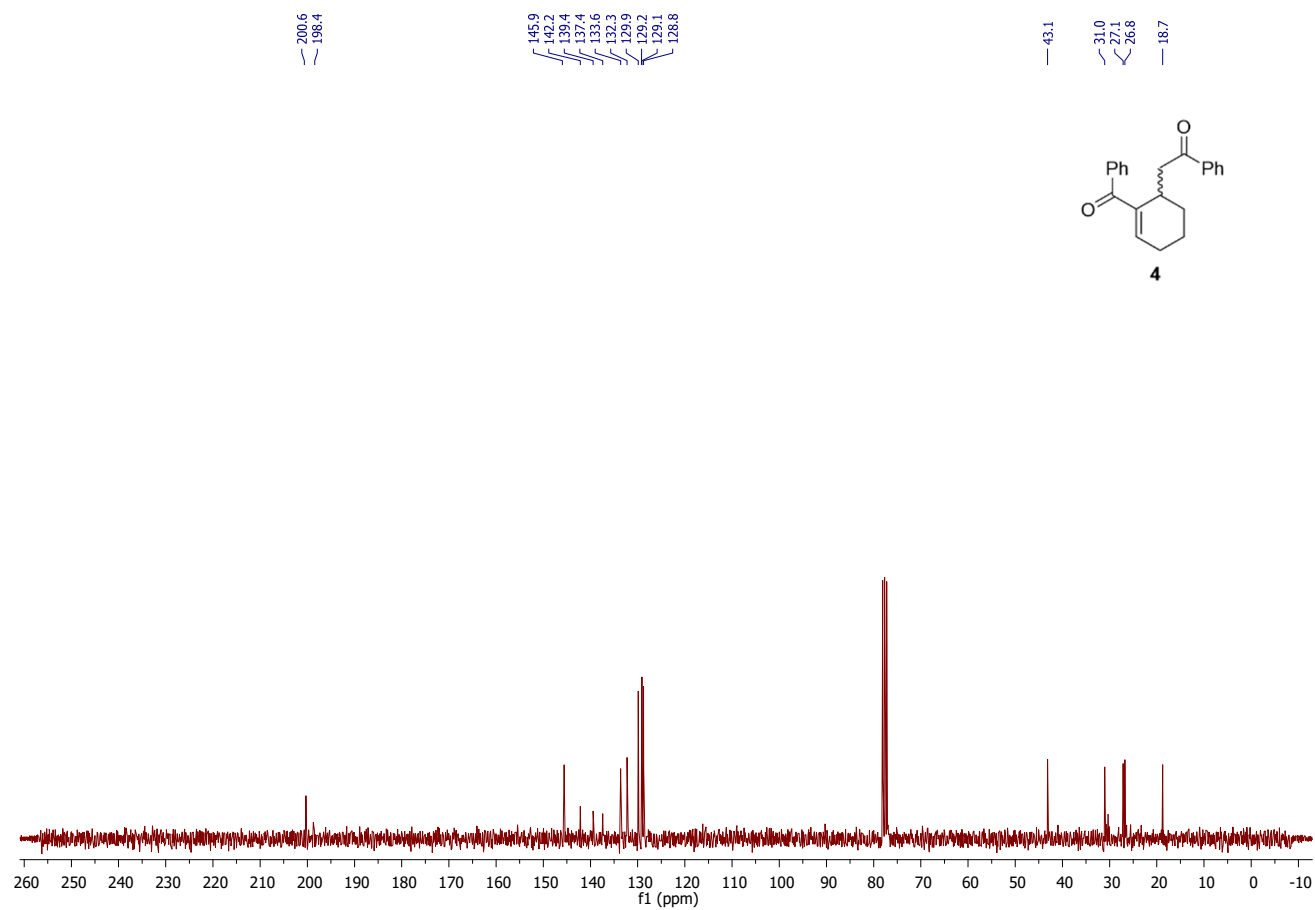


Figure S6. ¹³C-NMR spectra of compound 4 (CDCl₃).