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Supporting Information

A Concise Synthesis of Racemic Lorcaserin

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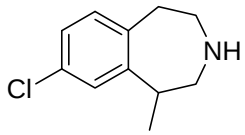
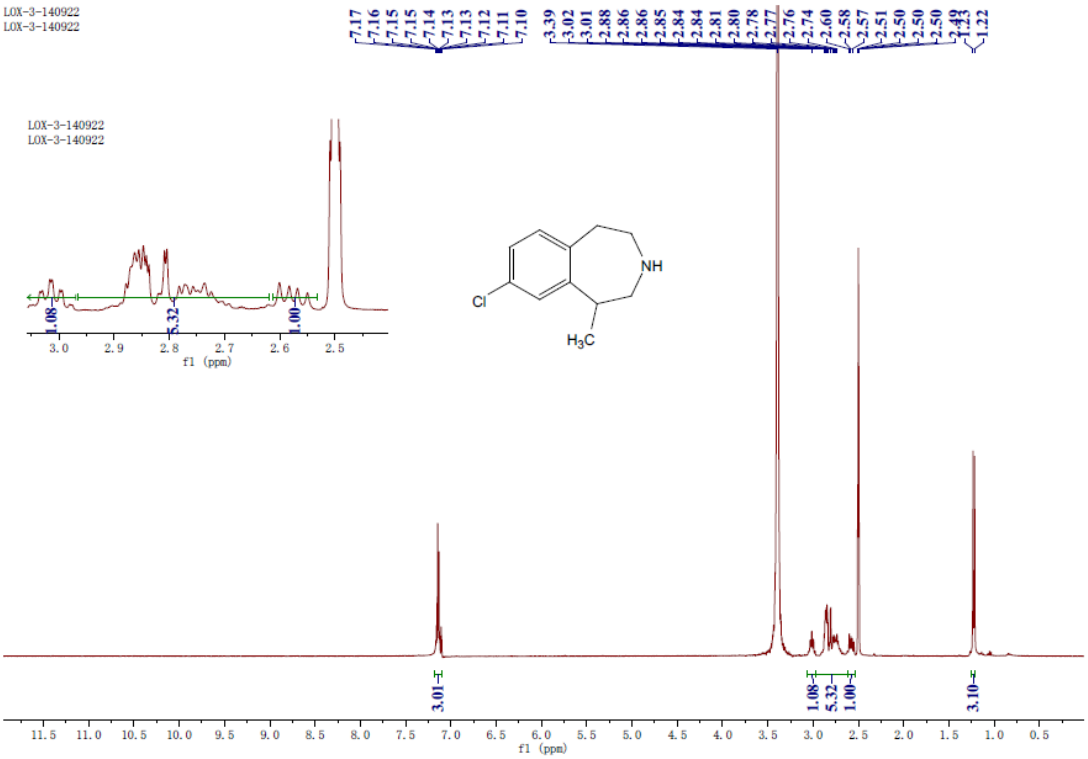
Content:

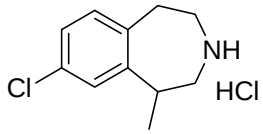
^{1}H NMR for compound (±)-1 free base (DMSO-d6)



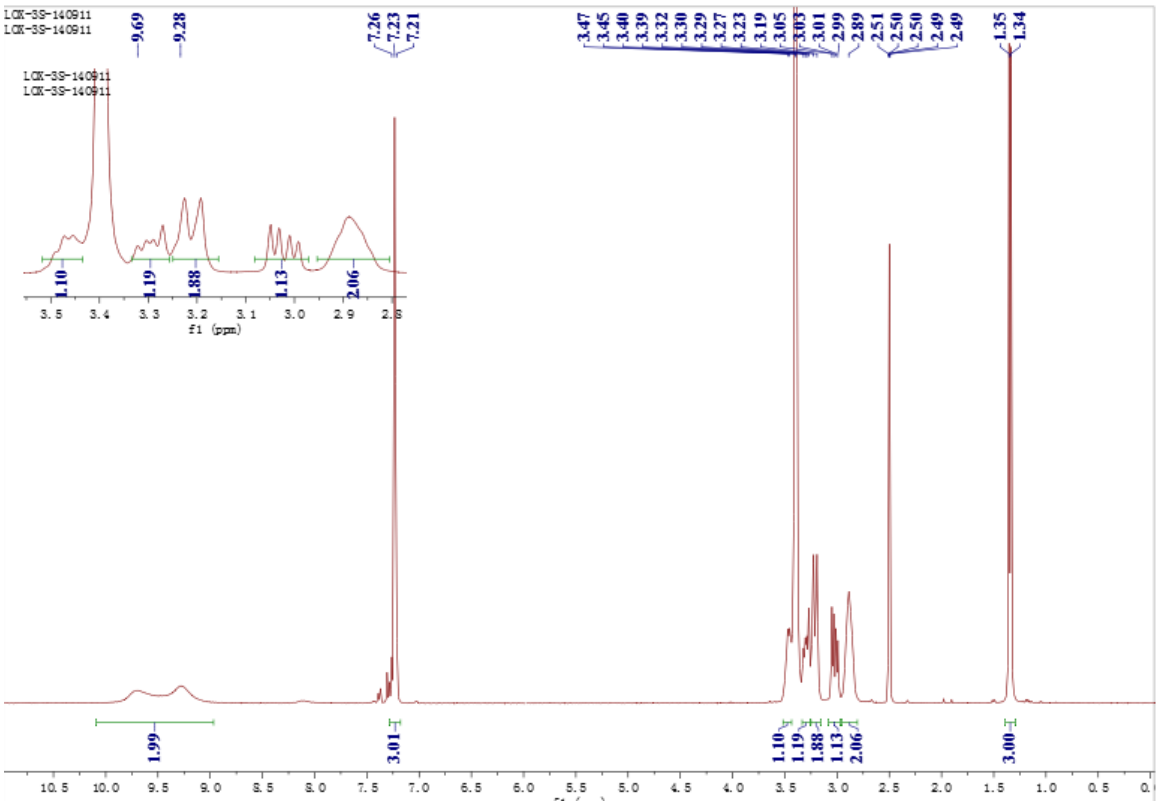
(±)-**1**



^{1}H NMR for compound (±)-1 hydrochloride salt (DMSO-d6)



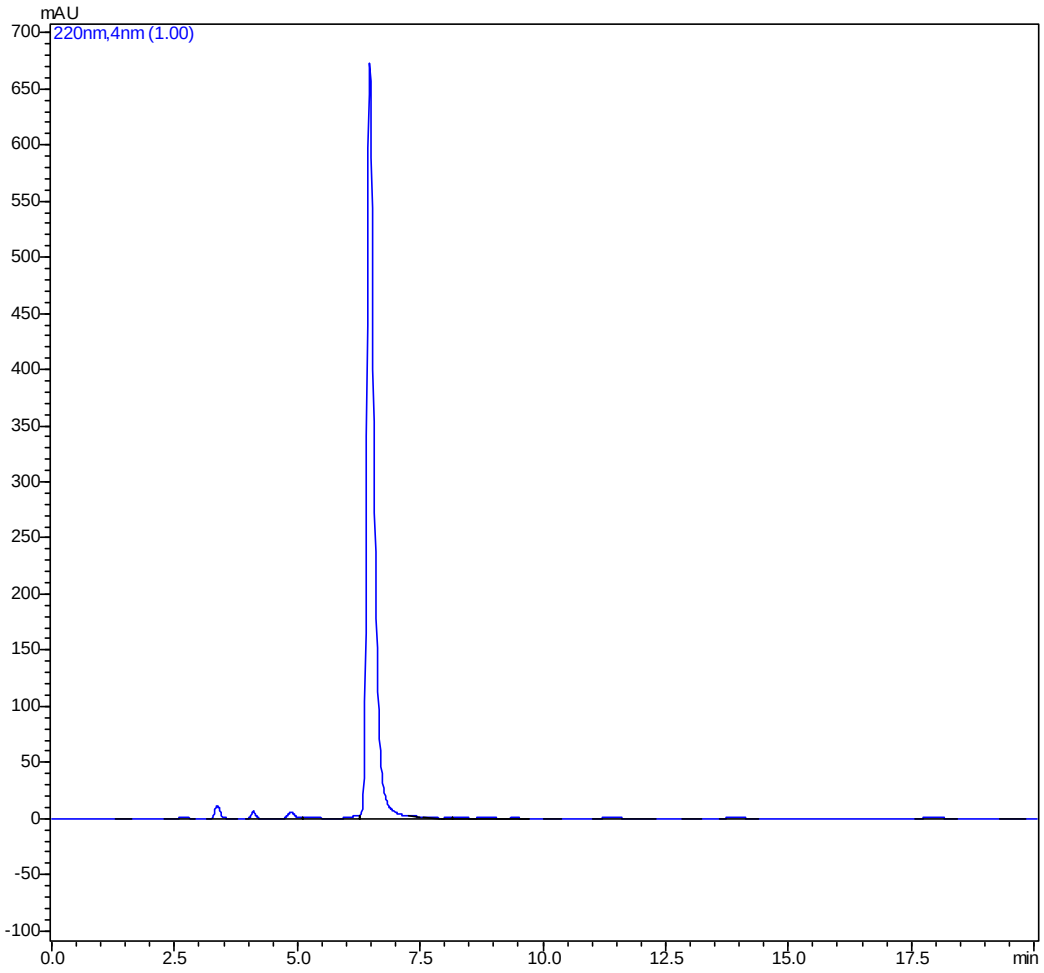
(±)-1 HCl



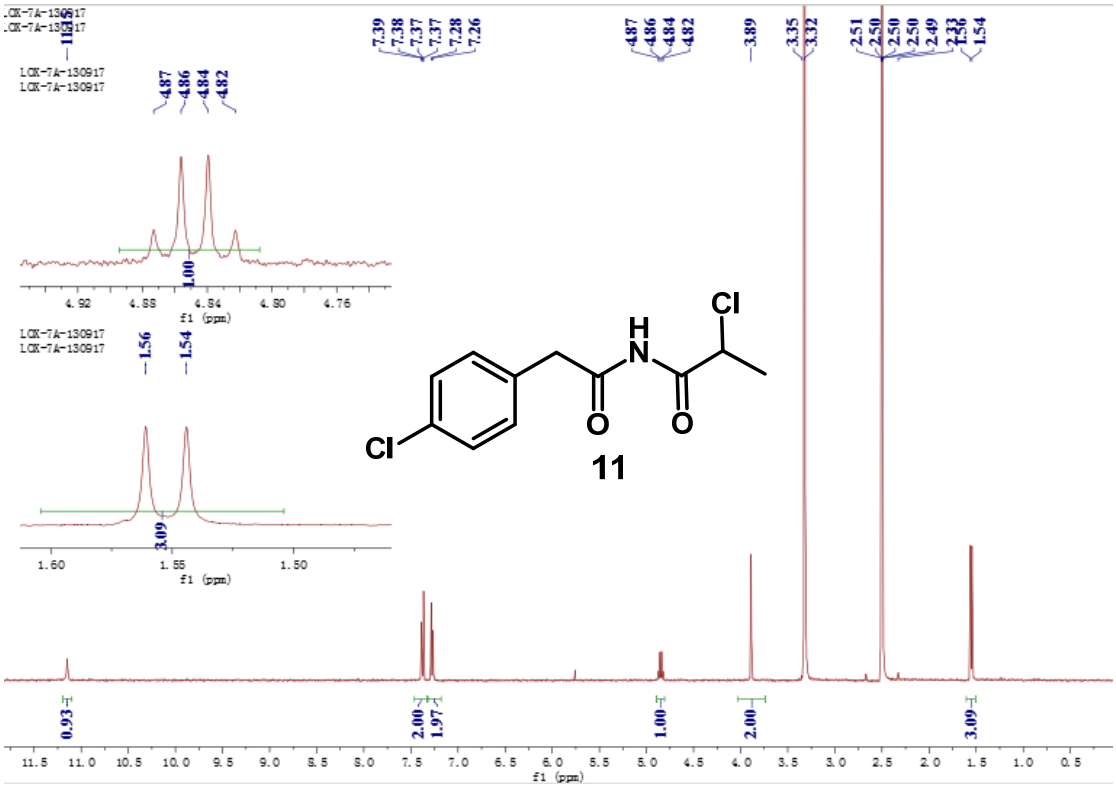
HPLC analysis of (±)-1 (racemic Lorcaserin) hydrochloride salt

Sunfire C18 column, 4.6 x 250mm, 5 µm

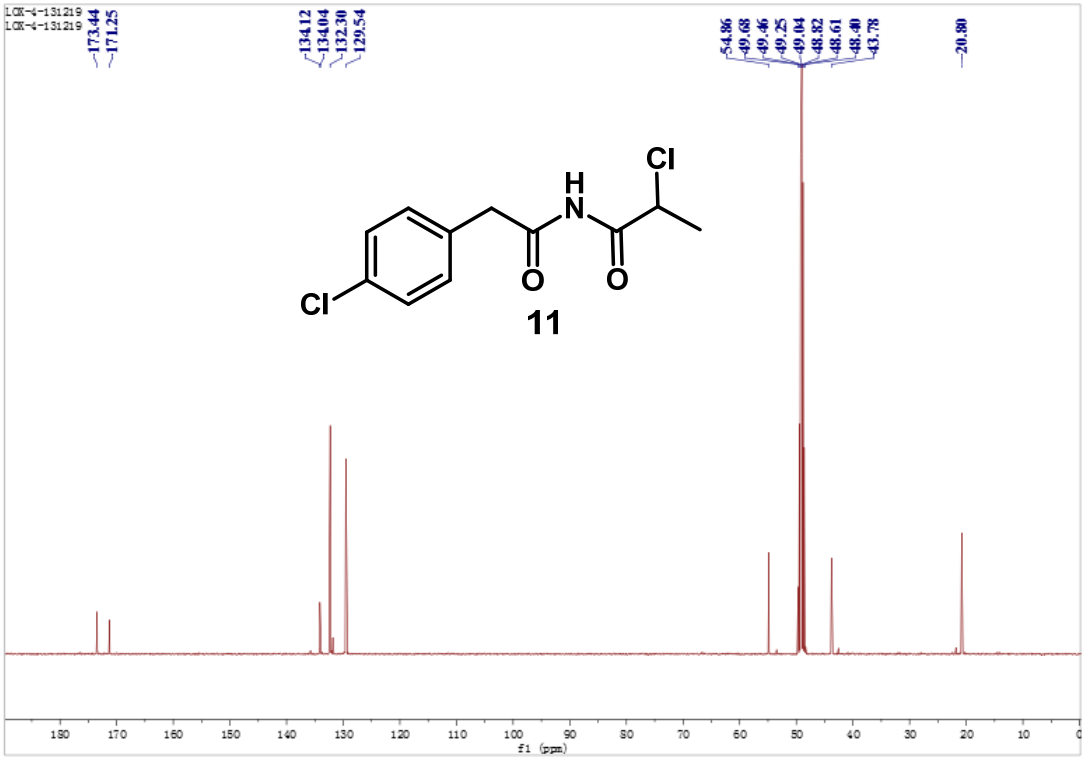
Eluents: 88% methanol with 12% 0.02 M solution (pH 8.0) of potassium hydrogen phosphate, rate 0.8 mL/min, detection at 220 nm



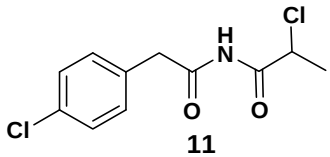
^{1}H NMR for compound 11



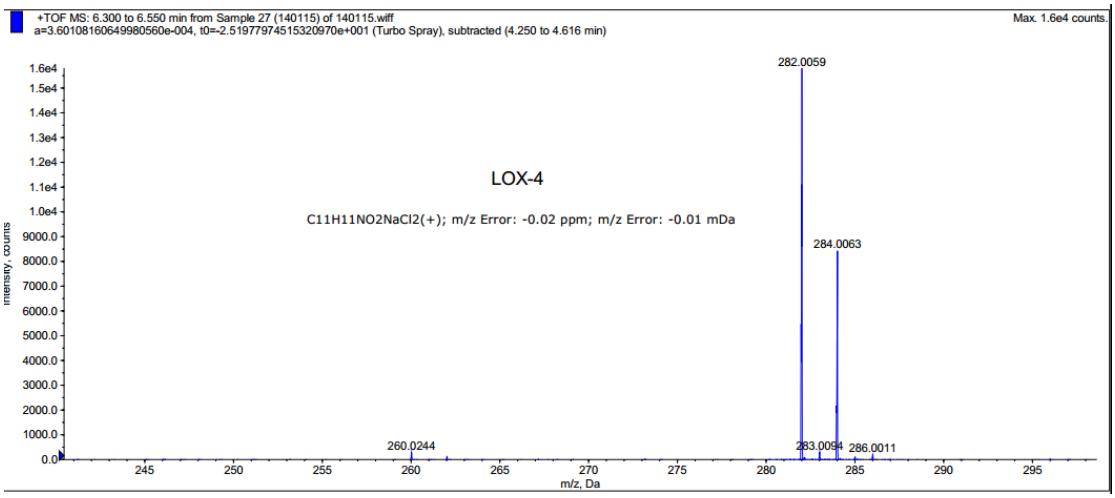
^{13}C NMR for compound 11



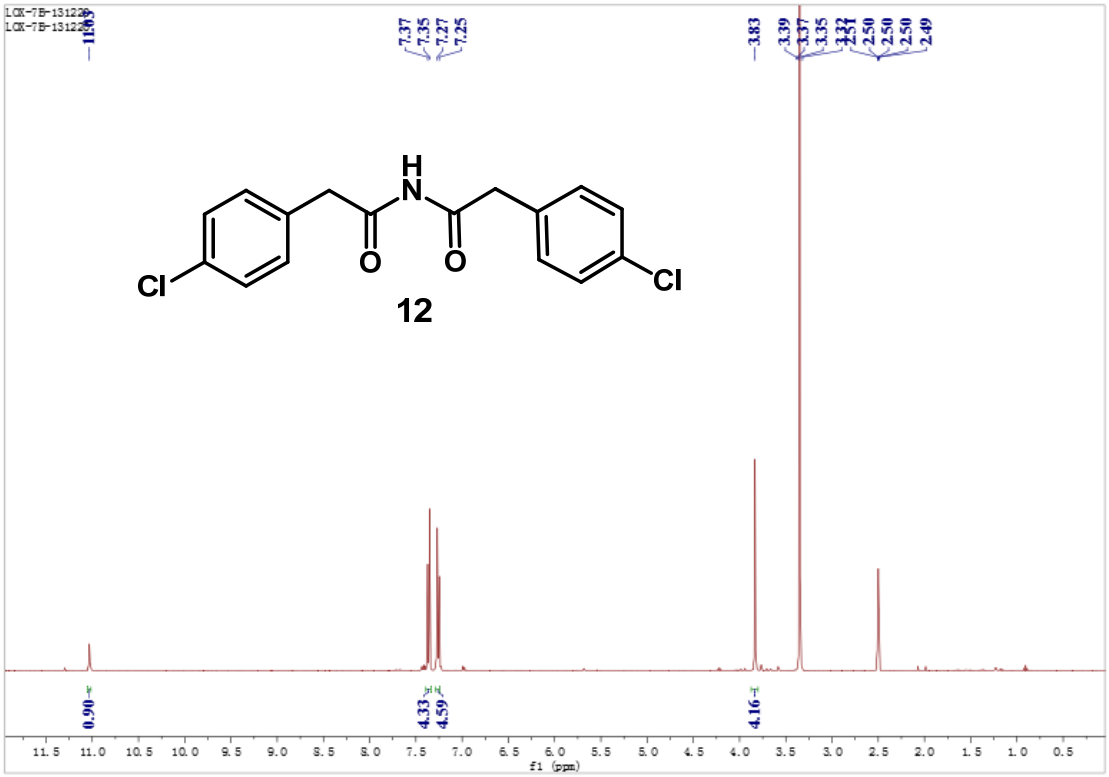
HRMS for compound 11



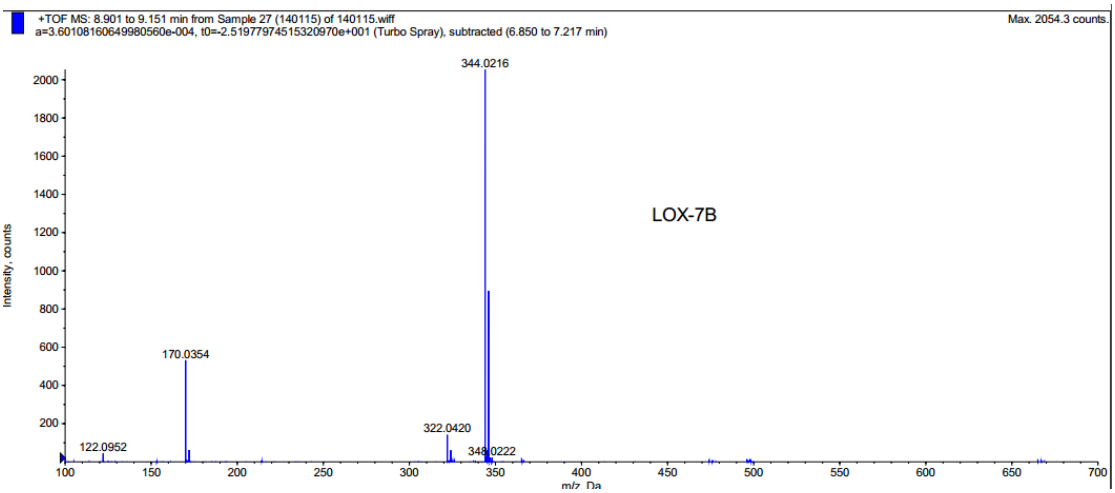
11



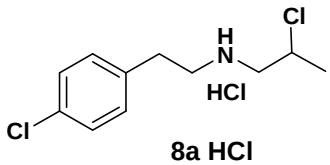
^{1}H NMR for compound 12



HRMS for compound 12



^{1}H NMR for compound 8a hydrochloride salt (DMSO-d6)



8a HCl