

Supporting Information

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Identification, separation and mass spectral characterization of degradants in Cariprazine HCl by LC-MS/MS/QTOF

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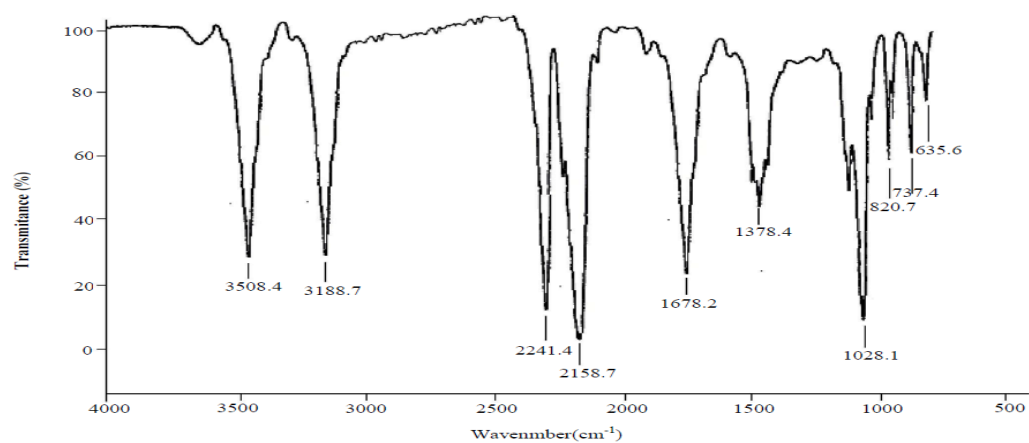


Figure S1: IR spectrum of Cariprazine HCl

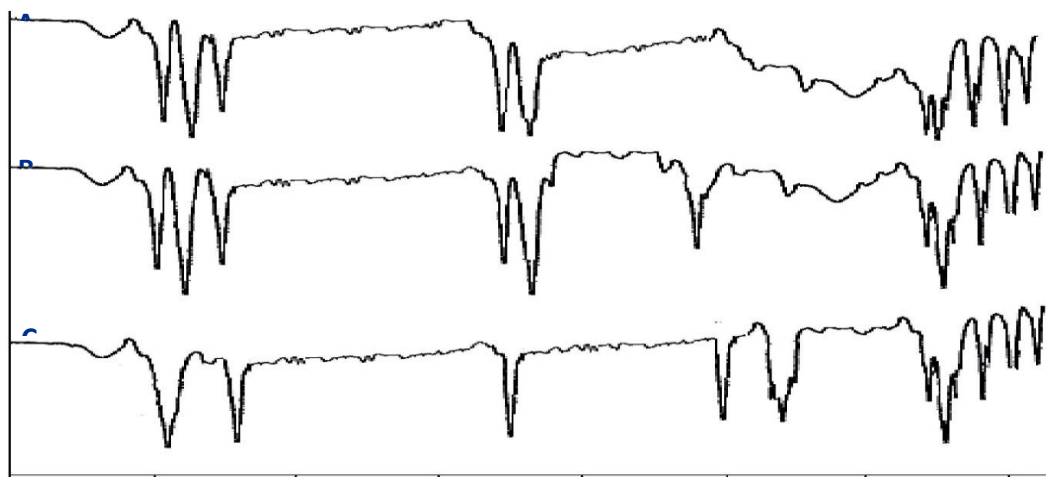


Figure S2: IR Overlay spectrum

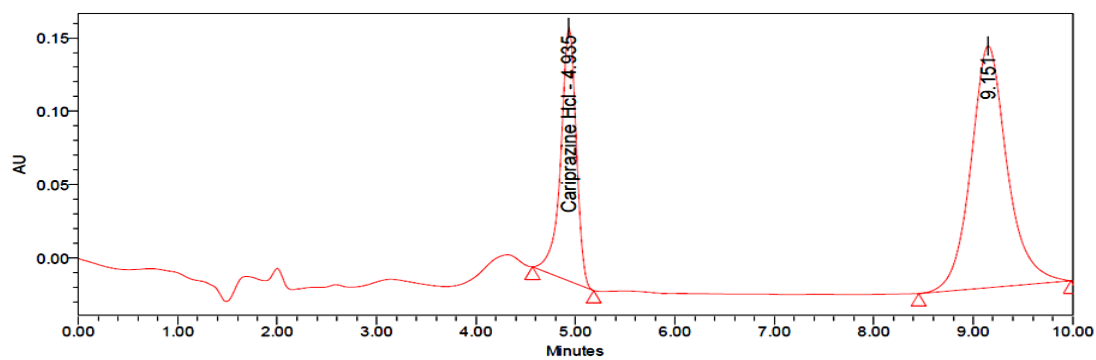


Figure S3: Chromatogram of trial-1

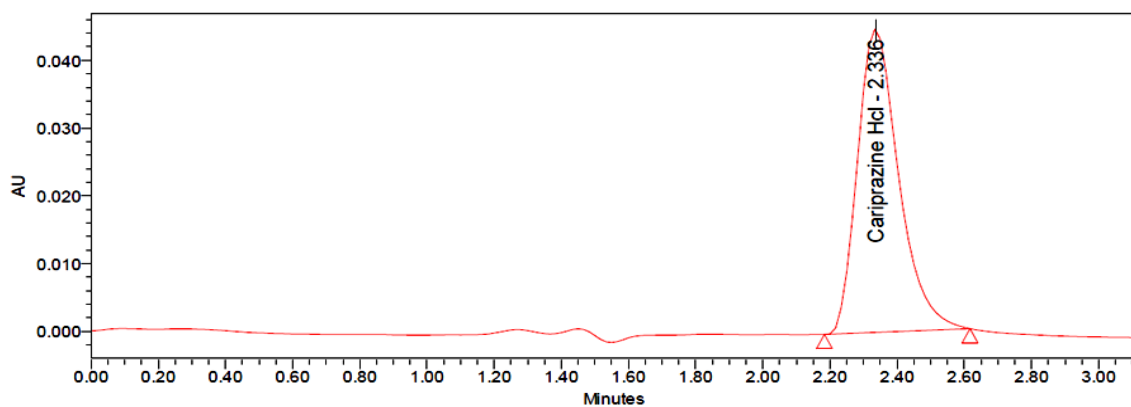


Figure S4: Chromatogram of trial-2

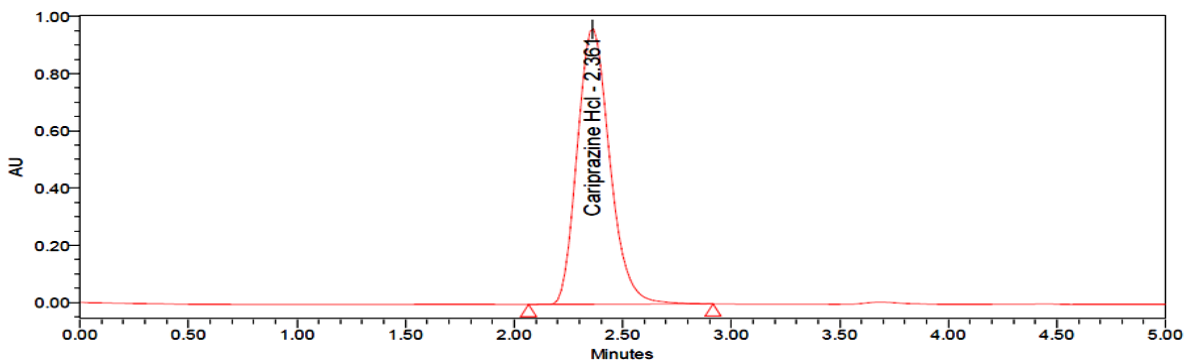


Figure S5: Chromatogram of trial-3

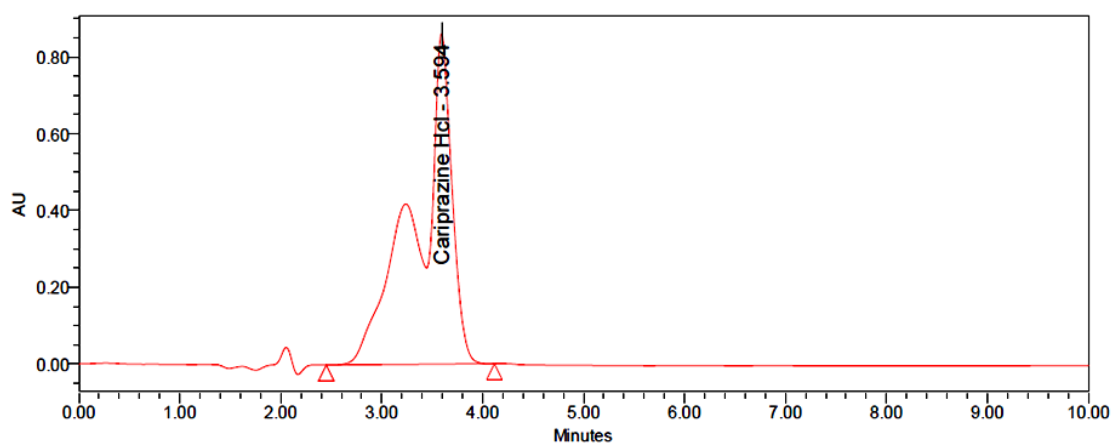


Figure S6: Chromatogram of trial-4

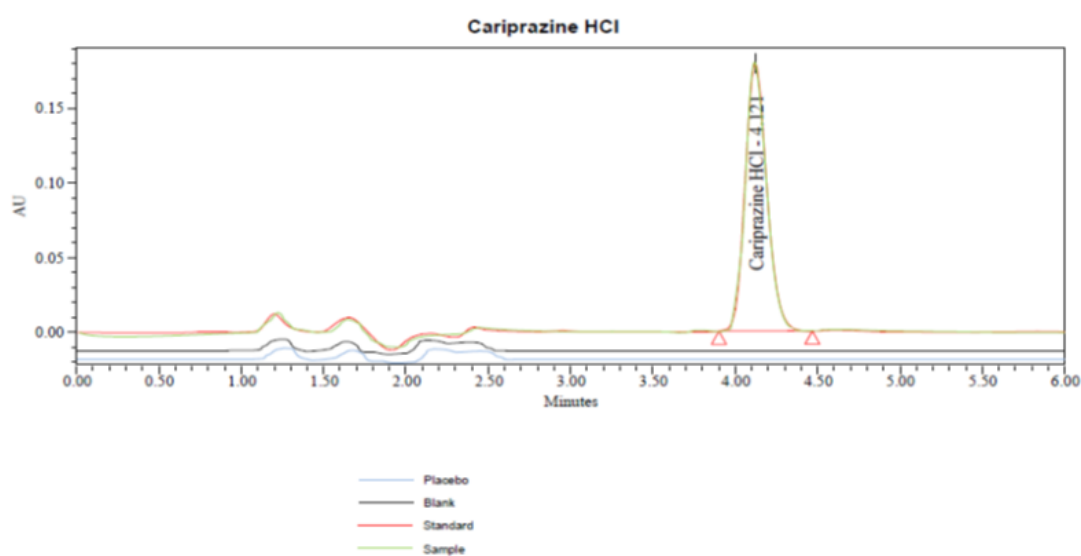


Figure S7: A typical specificity chromatogram

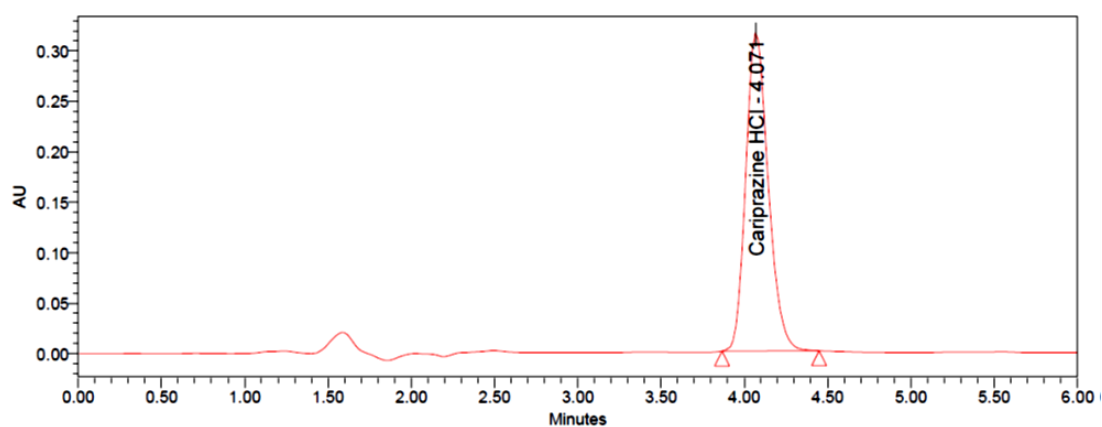


Figure S8: Chromatogram of standard

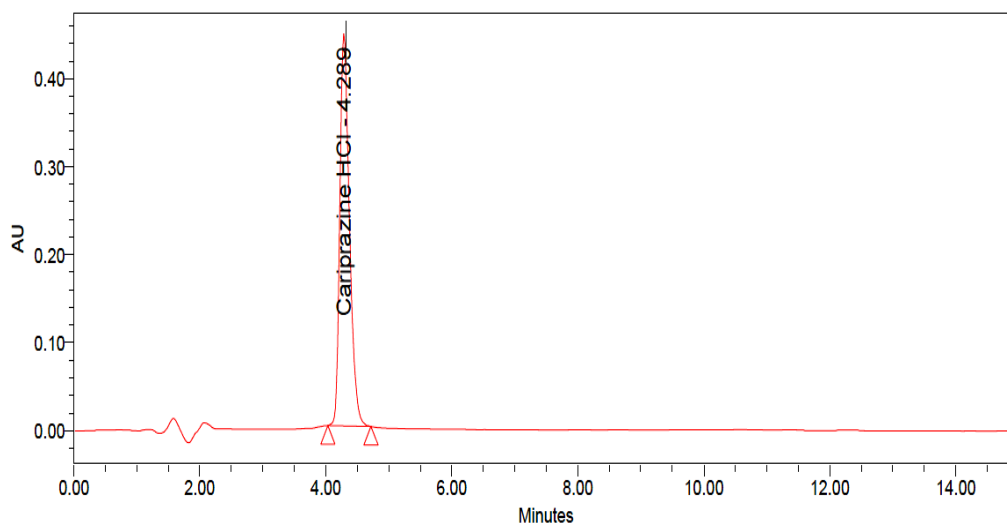


Figure S9: Chromatogram of control degradation

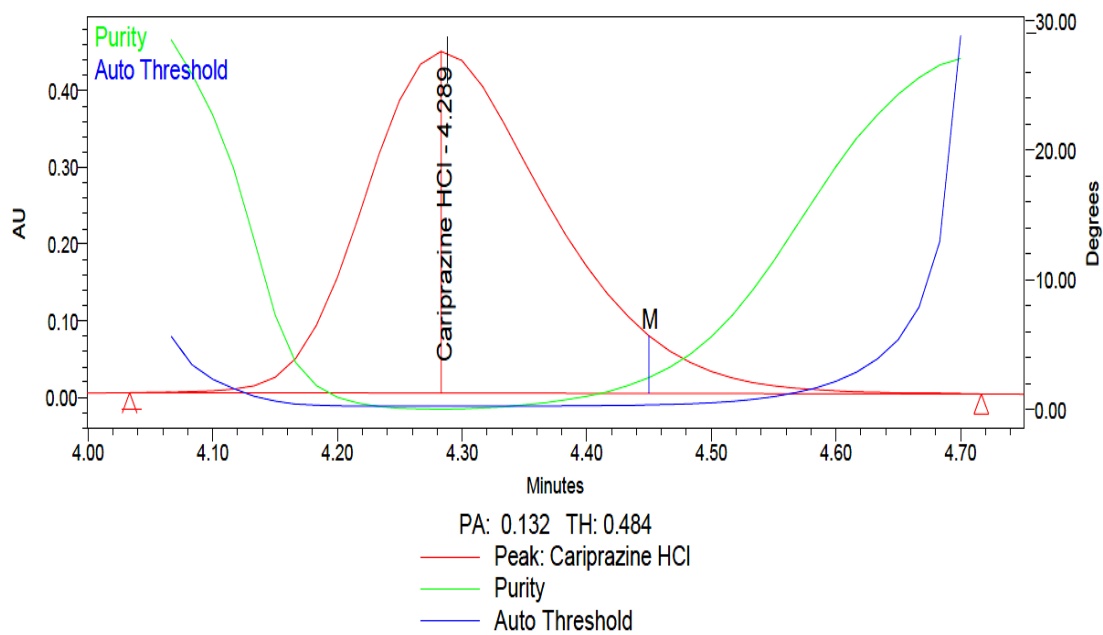


Figure S10: Purity plot of Cariprazine HCl

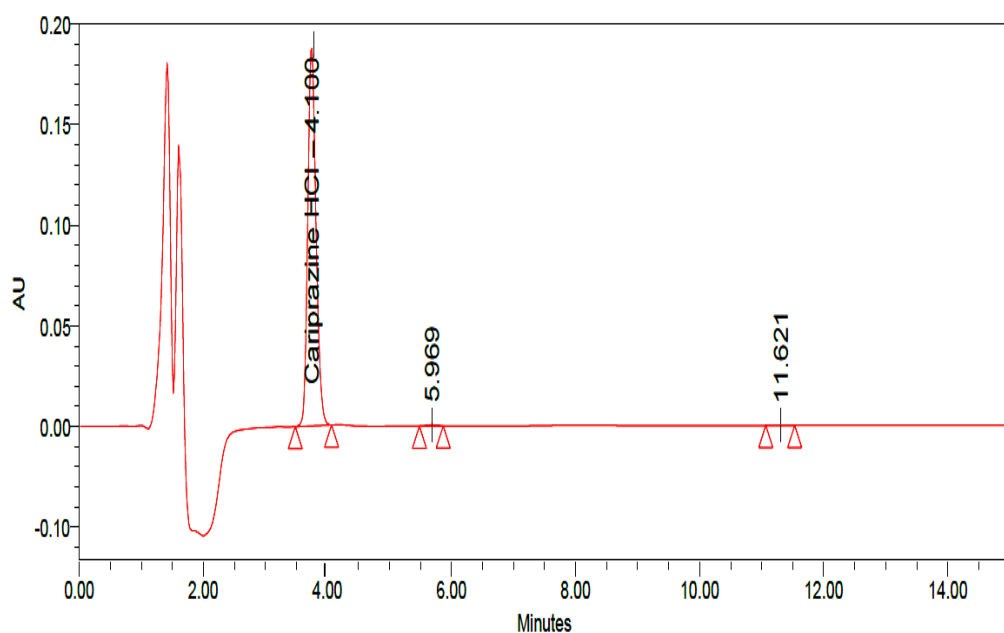


Figure S11 : Chromatogram of acid degradation

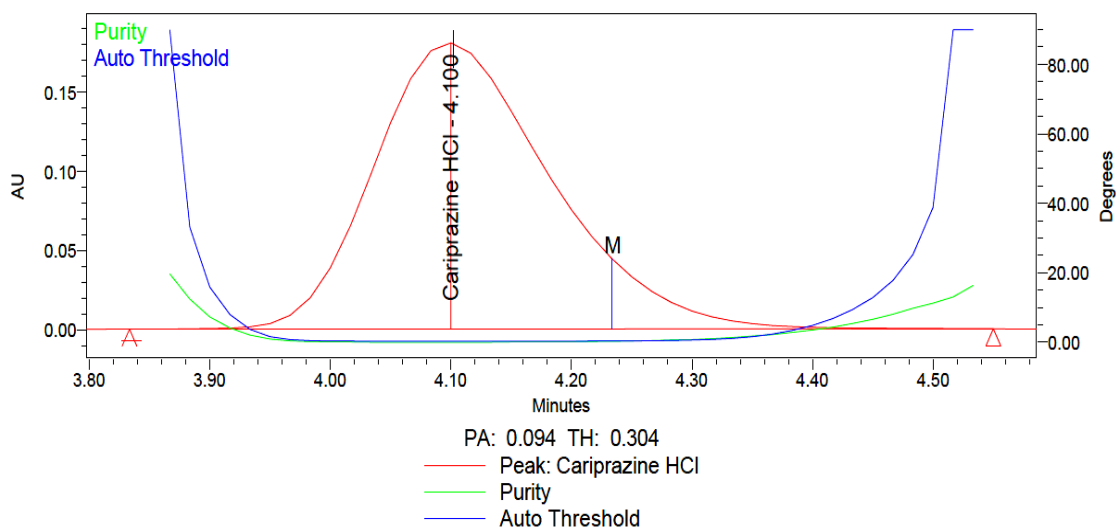


Figure S12 : Purity plot of Cariprazine HCl of acid degradation

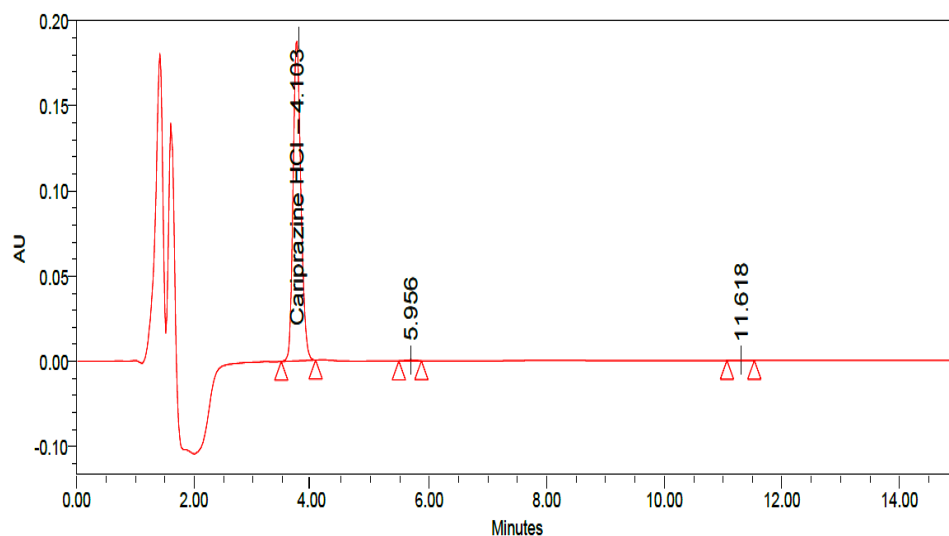


Figure S13: Chromatogram of alkali degradation

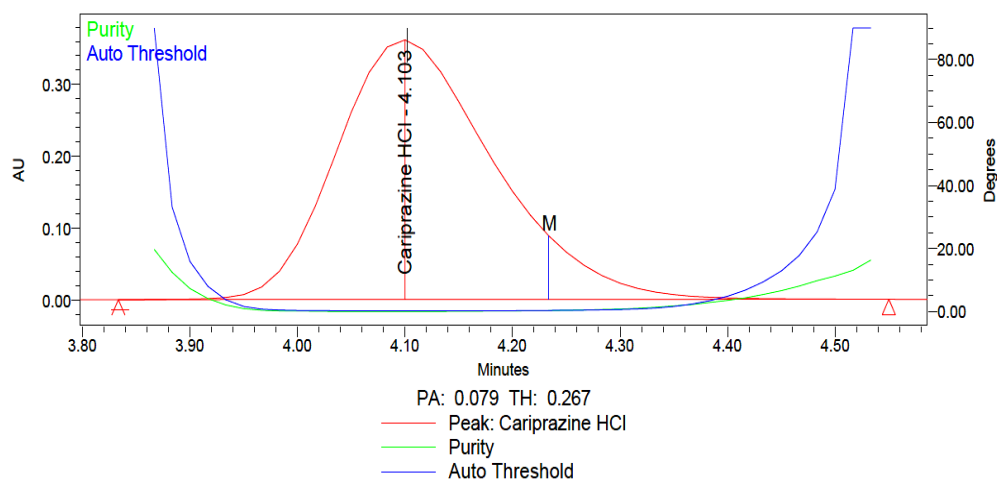


Figure S14: Purity plot of Cariprazine HCl of alkali degradation

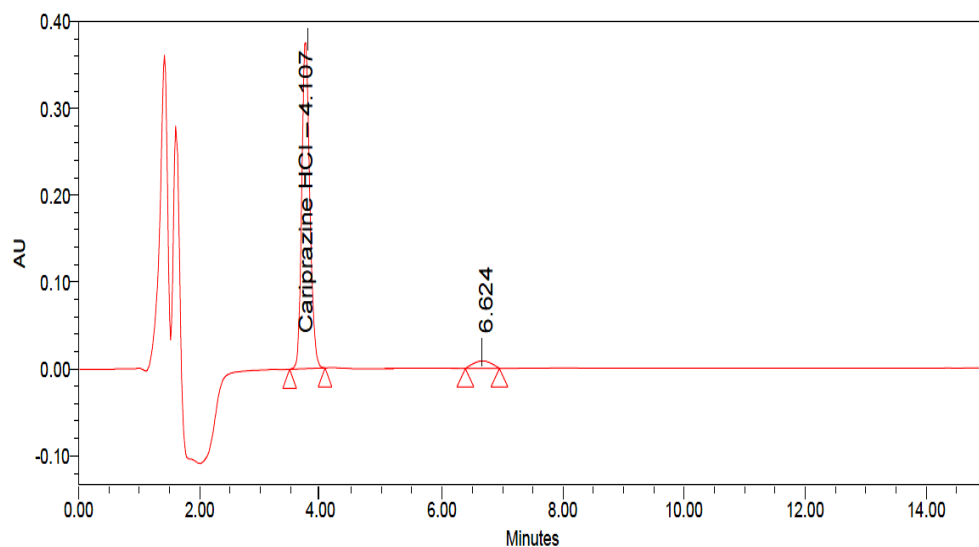


Figure S15: Chromatogram of peroxide degradation

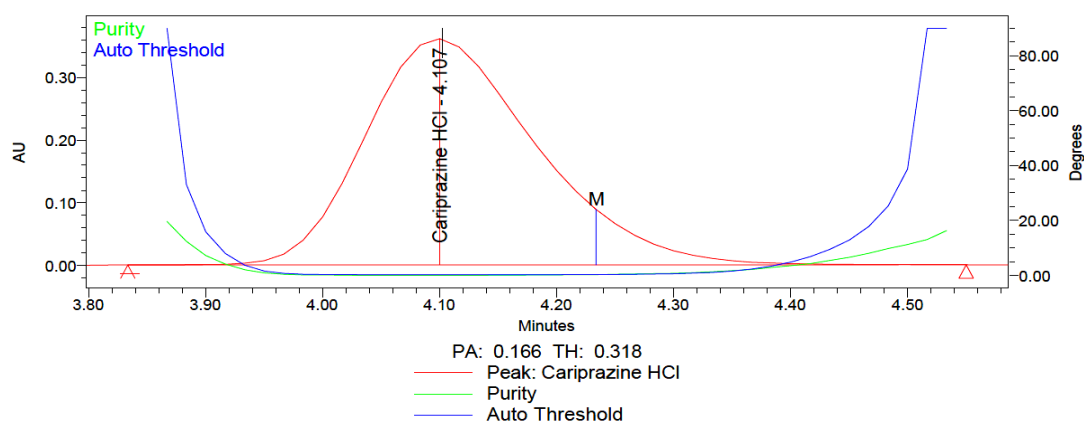


Figure S16: Purity plot of Cariprazine HCl of peroxide degradation

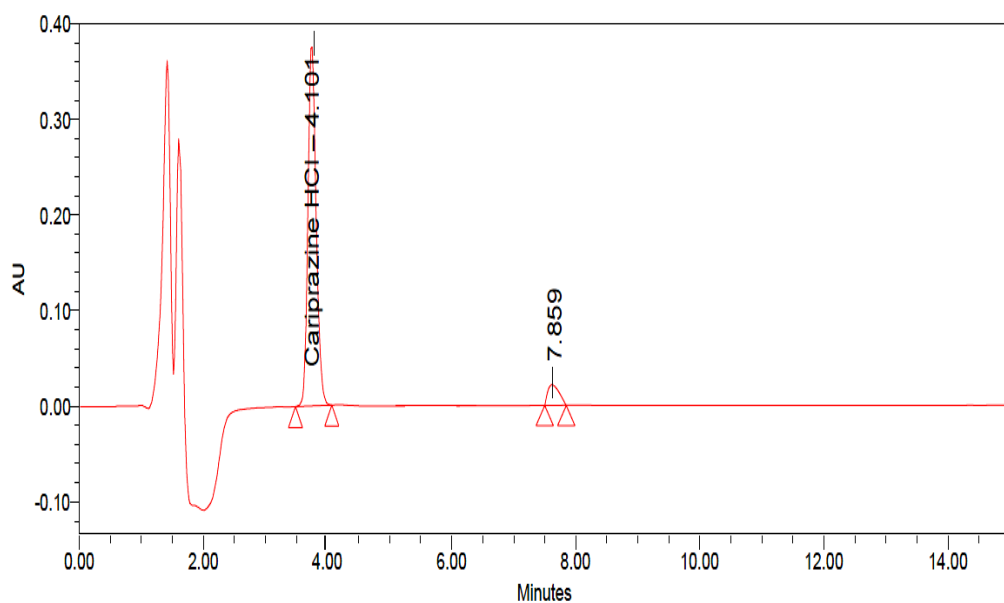


Figure S17: Chromatogram of reduction degradation

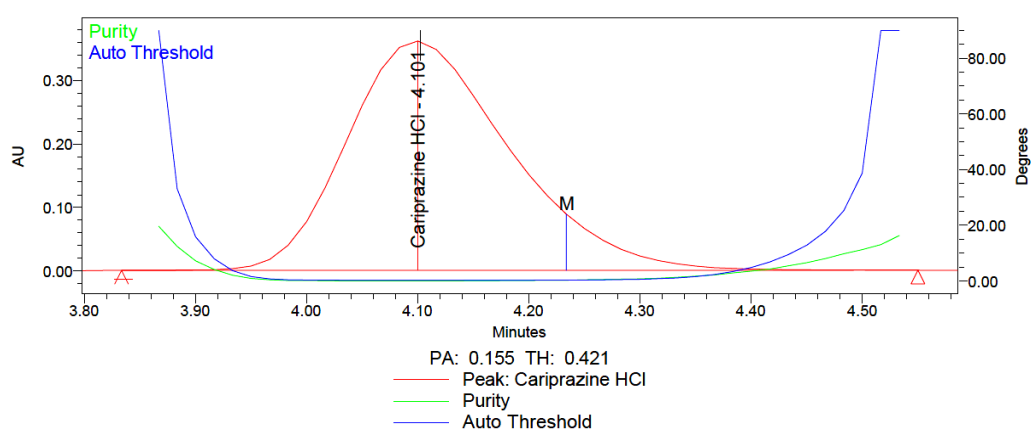


Figure S18: Purity plot of Cariprazine HCl of reduction degradation

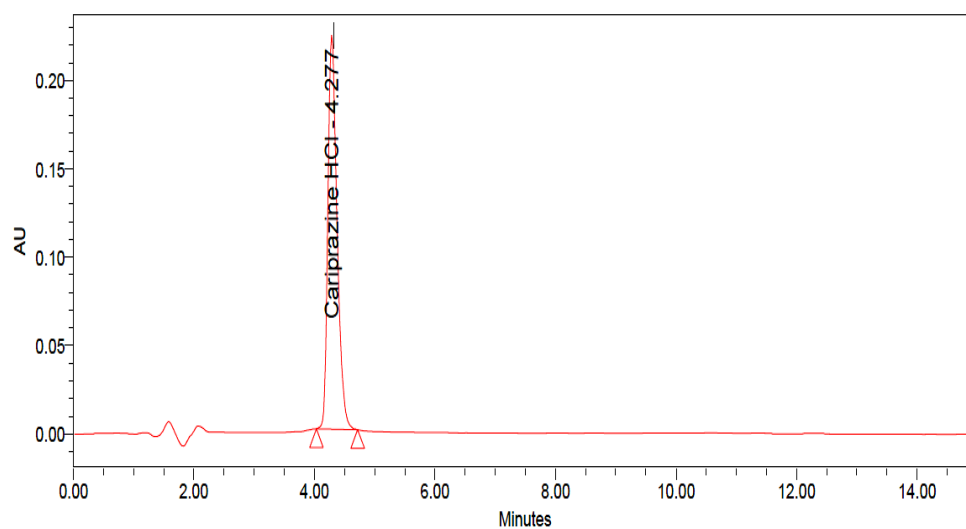


Figure S19: Chromatogram of thermal degradation

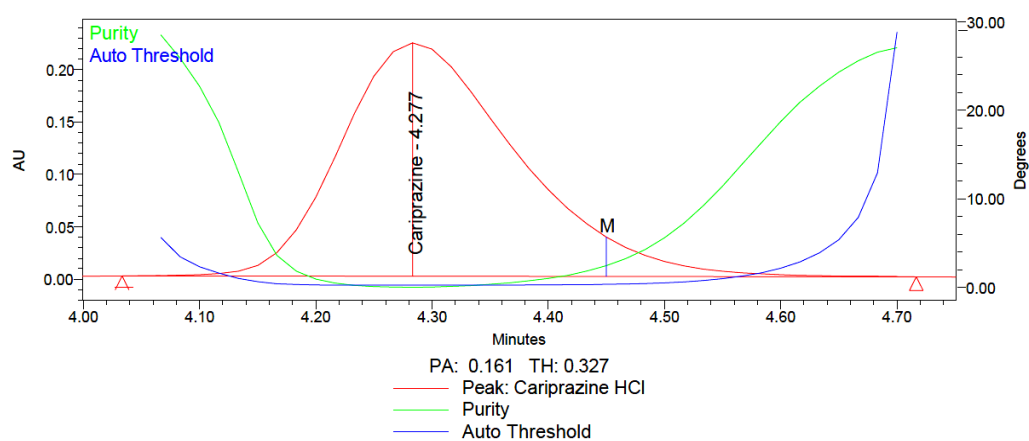


Figure S20: Purity plot of Cariprazine HCl of thermal degradation