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**Proper retention factor for Avanafil and Dapoxetine Hydrochloride Separation and Validation with RP-HPLC in Bulk, Dosage Form and Rat Plasma; Validation, Degradation, and Pharmacokinetic Application**

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**Supporting information**

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| Diagram  Description automatically generated |
| **Fig.S1.** Proton NMR of avanafil intact chart |
| Chart  Description automatically generated with low confidence |
| **Fig.S2.** Proton FTIR of avanafil intact chart |
| Diagram, text  Description automatically generated |
| **Fig. S3.** Proton NMR of avanafil degradation chart |
| Diagram  Description automatically generated |
| **Fig. S4:** Proton FTIR of avanafil degradation chart |

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| Diagram  Description automatically generated |
| **Fig. S5:** Proton NMR of dapoxitine intact chart |
| Chart  Description automatically generated |
| **Fig.S6:** Proton FTIR of dapoxitine intact chart |
| Diagram  Description automatically generated |
| **Fig. S7:** Proton NMR of dapoxitine degradation chart |
| Chart, line chart  Description automatically generated |
| **Fig. S8:** Proton FTIR of dapoxitine degradation chart. |