

Supplementary Information

Sustainable synthesis of ambrisentan - syringic acid cocrystal: Employing mechanochemistry in the development of novel pharmaceutical solid form

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Table 1: Multicomponent solid form screening of ambrisentan using various phenolic acid coformers

Figure 1: Overlay of FTIR spectra of AMT, SA and AMT-SA

Figure 2: Overlay of PXRD patterns of cocrystal (AMT-SA) before and after solubility study

Table 1: Multicomponent solid form screening of ambrisentan using various phenolic acid coformers

S. No.	Name of Coformers	Experiment outcomes
1.	Gallic acid	Physical mixture
2.	Syringic acid	Cocrystal
3.	Salicylic acid	Physical mixture
4.	Gentisic acid	Physical mixture
5.	4- hydroxy benzoic acid	Physical mixture
6.	2,3-dihydroxy benzoic acid	Physical mixture
7.	3,4-dihydroxy benzoic acid	Physical mixture
8.	2,4-dihydroxy benzoic acid	Physical mixture
9.	3,5-dihydroxy benzoic acid	Physical mixture

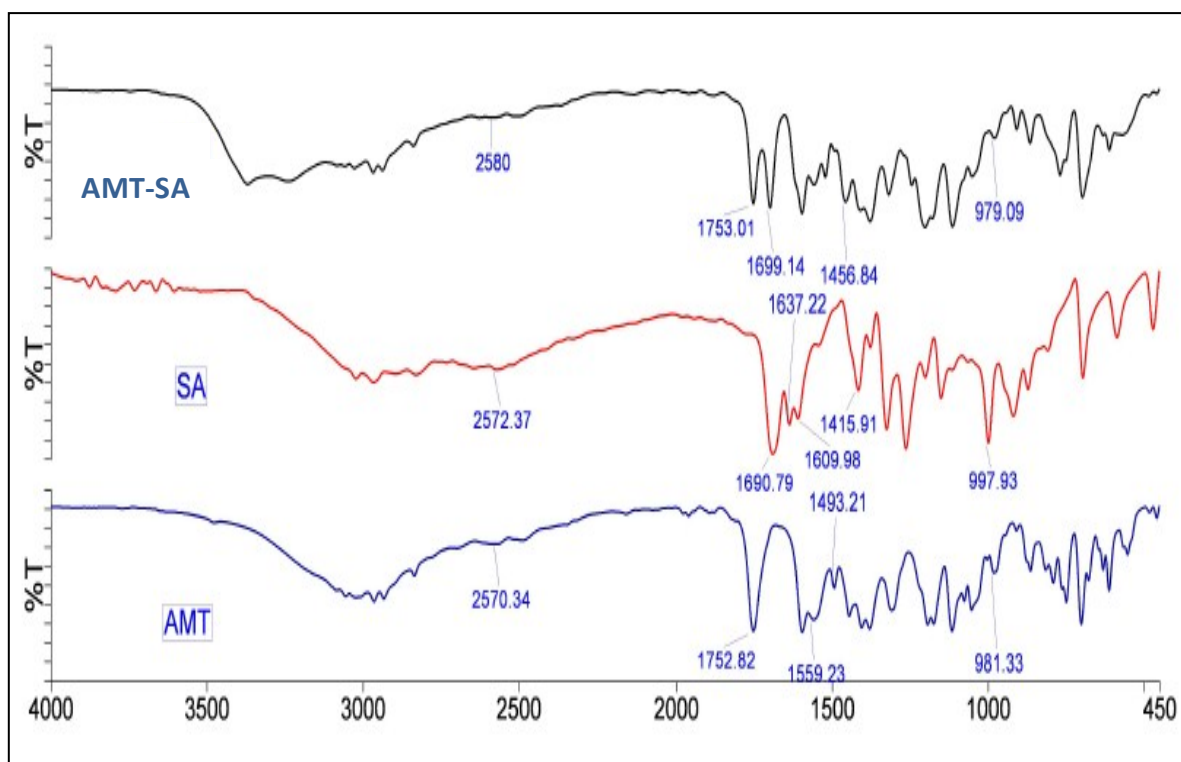


Figure 1: Overlay of FTIR spectra of AMT, SA and AMT-SA

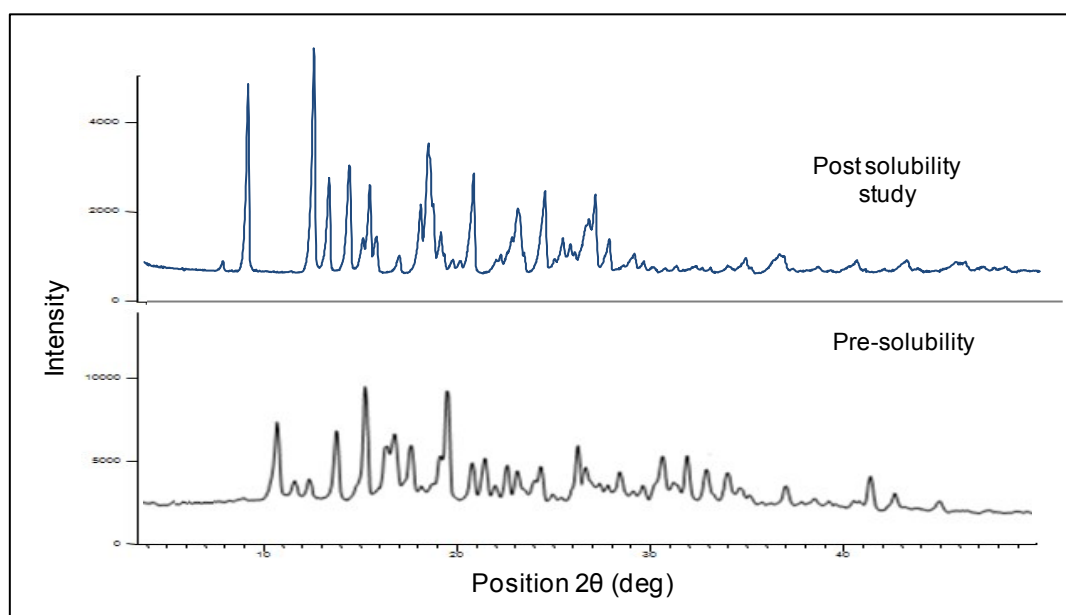


Figure 2: Overlay of PXRD patterns of cocrystal (AMT-SA) before and after solubility study