

Fig (1) Ebastine chemical imaging by raman spectroscopy

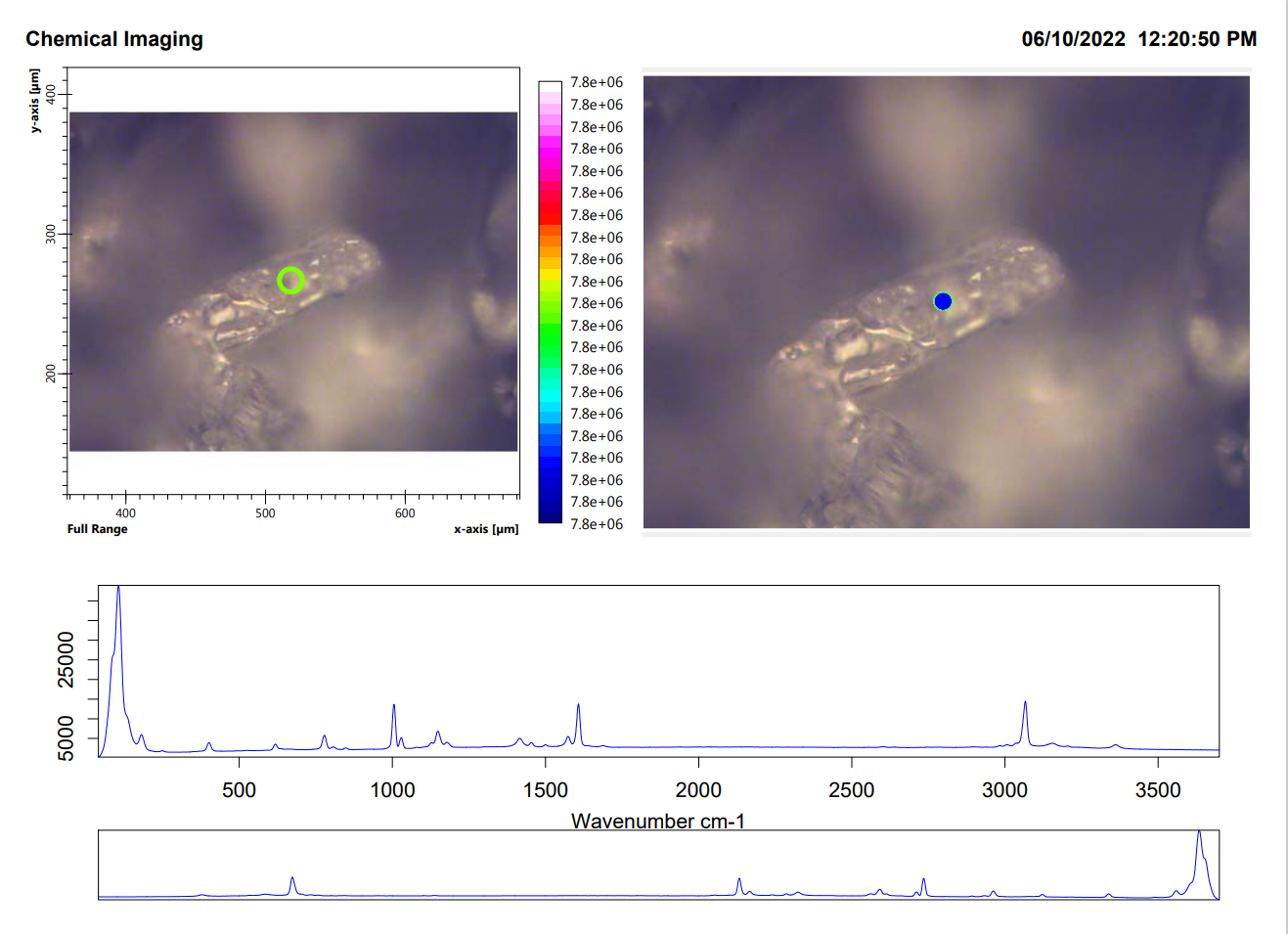
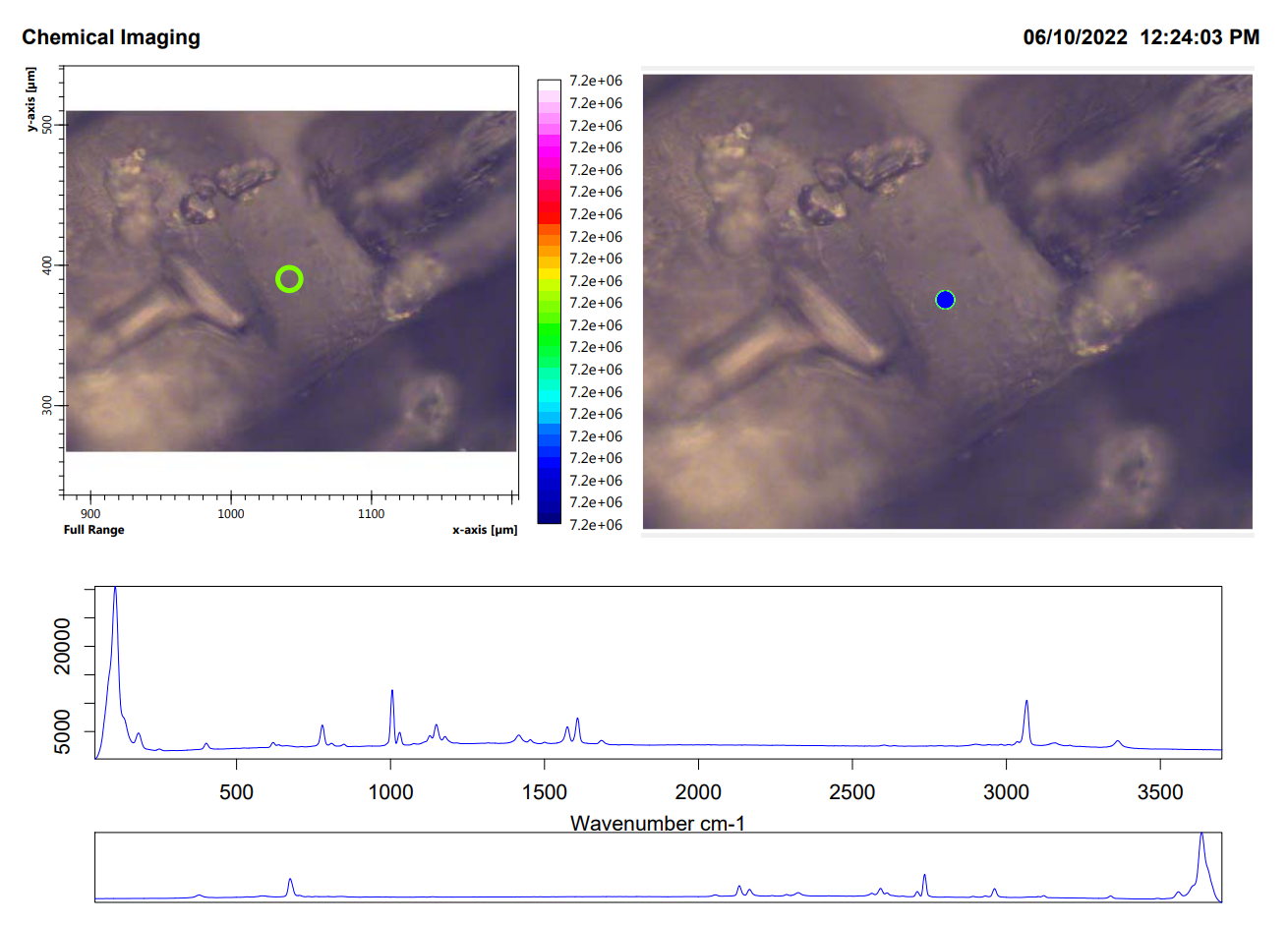


Fig (2) benzamide chemical imaging by raman spectroscopy

Fig (3) Ebastine- Benzanide (1\_8) molar ratiophysical mixture chemical imaging by raman spectroscopy

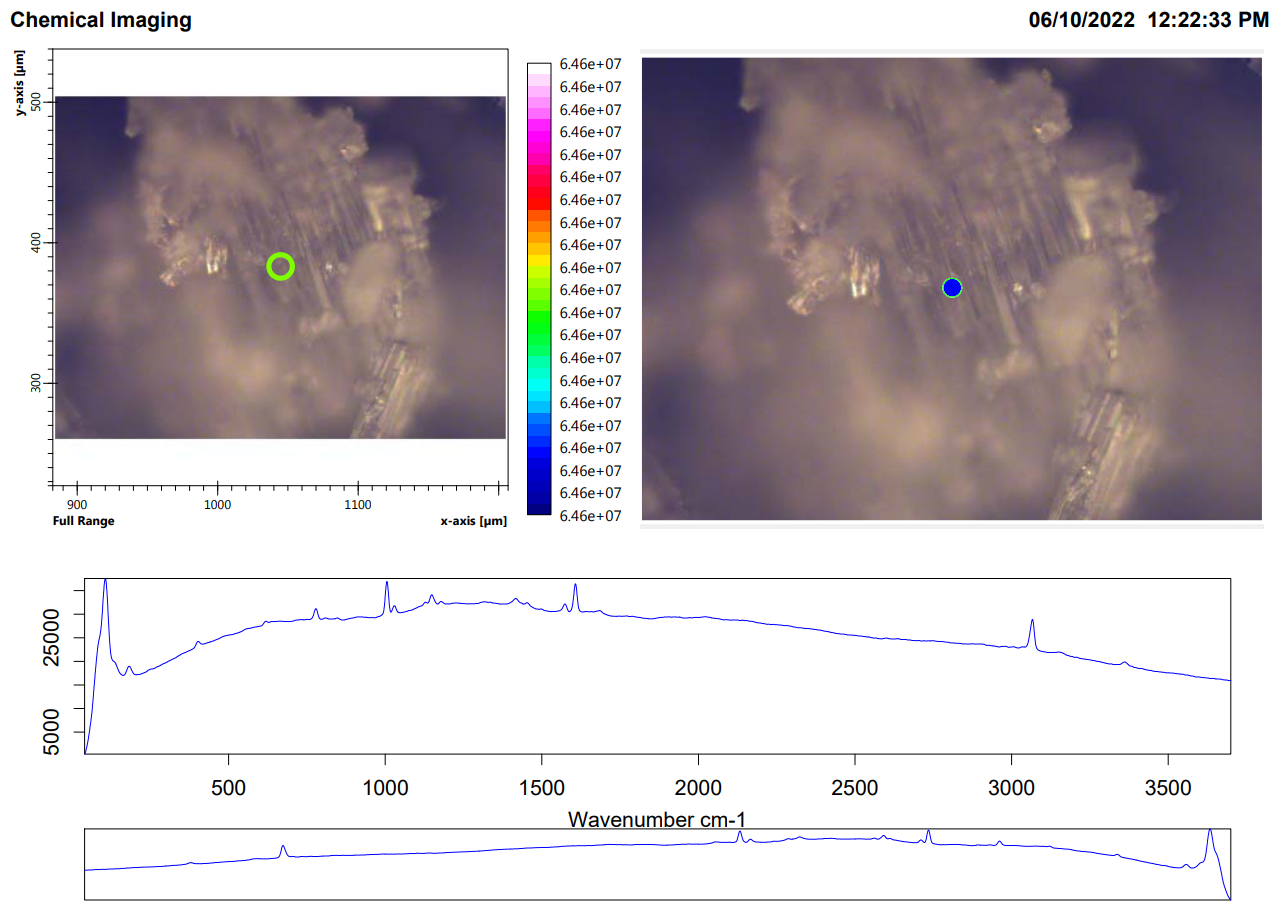


Fig (4) Ebastine- Benzanide (1\_8) molar ratio cocrystal chemical imaging by raman spectroscopy

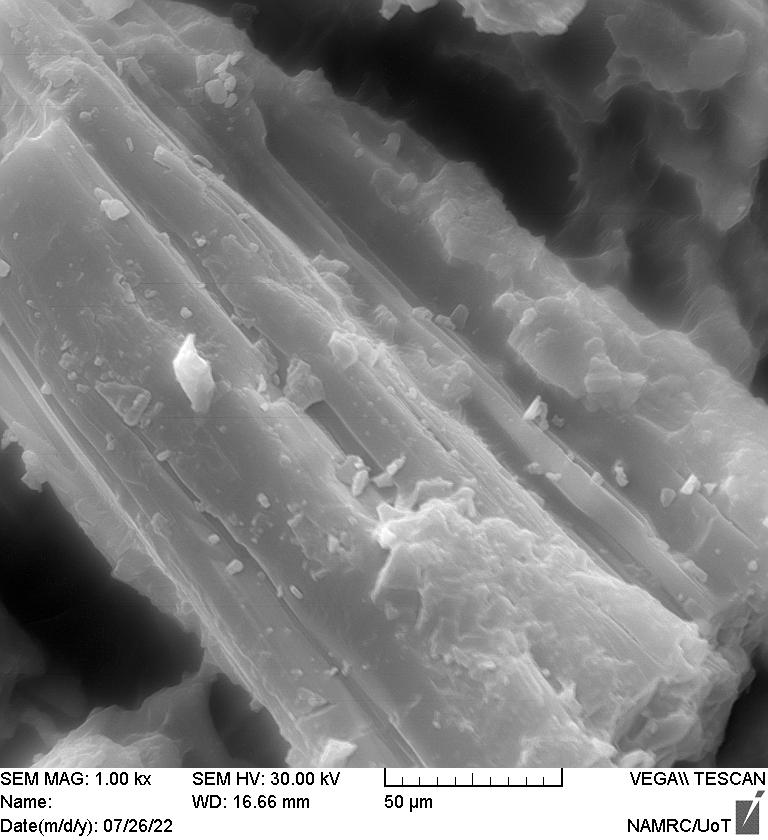
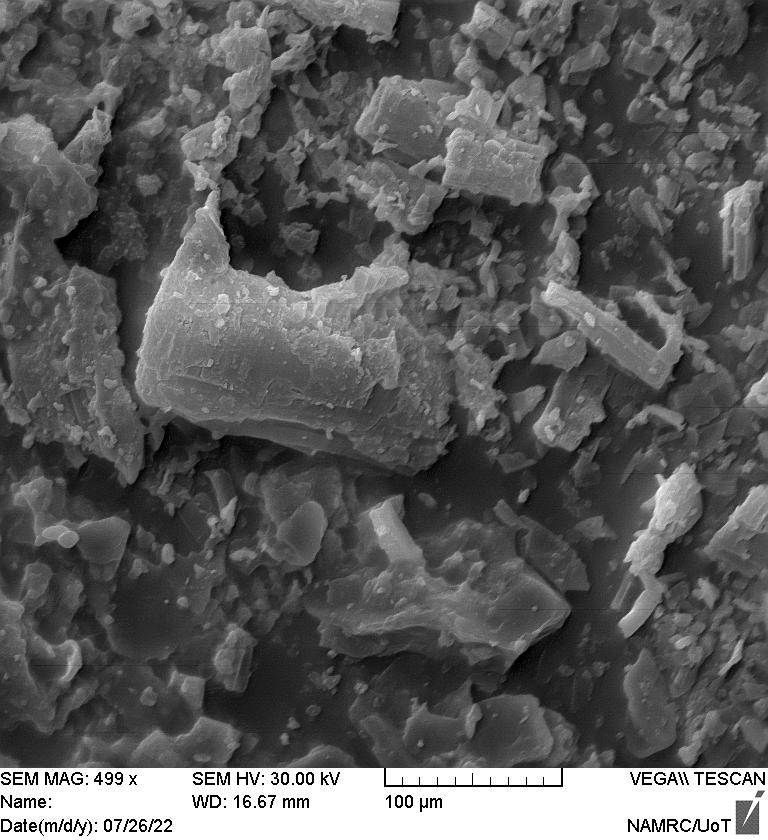
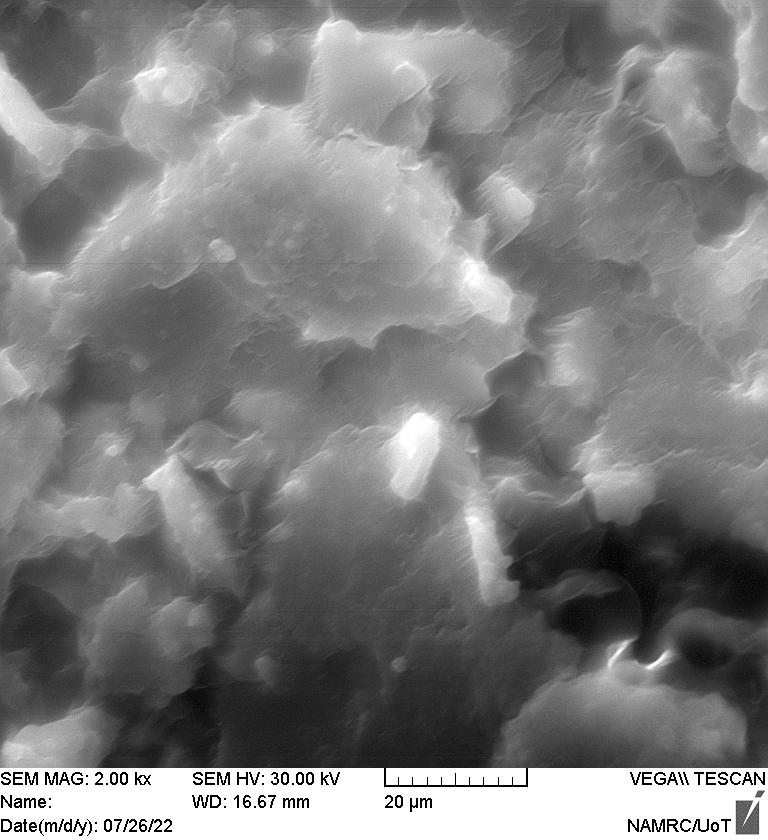
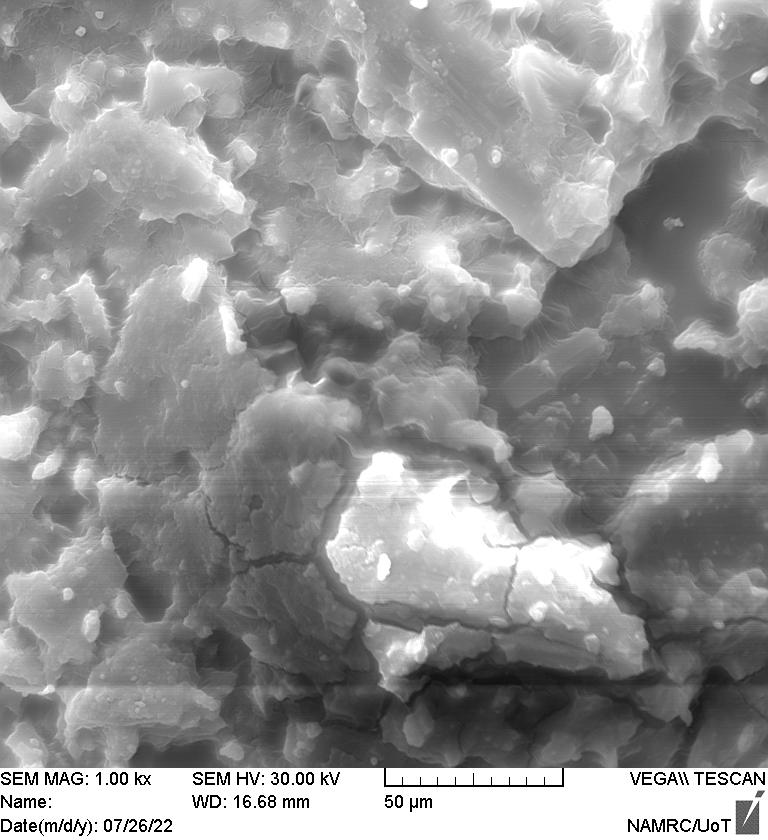
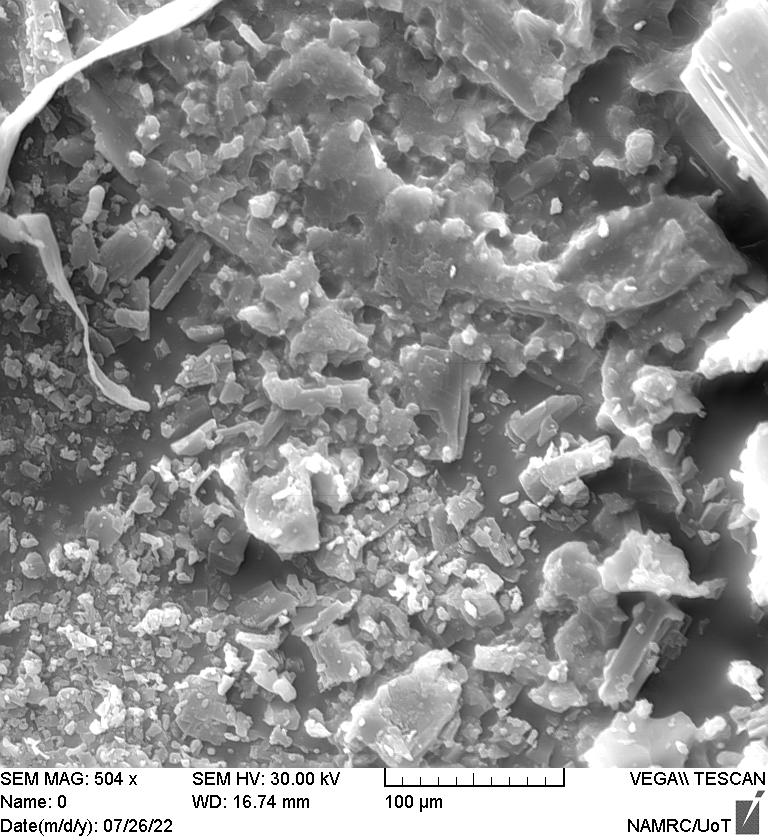
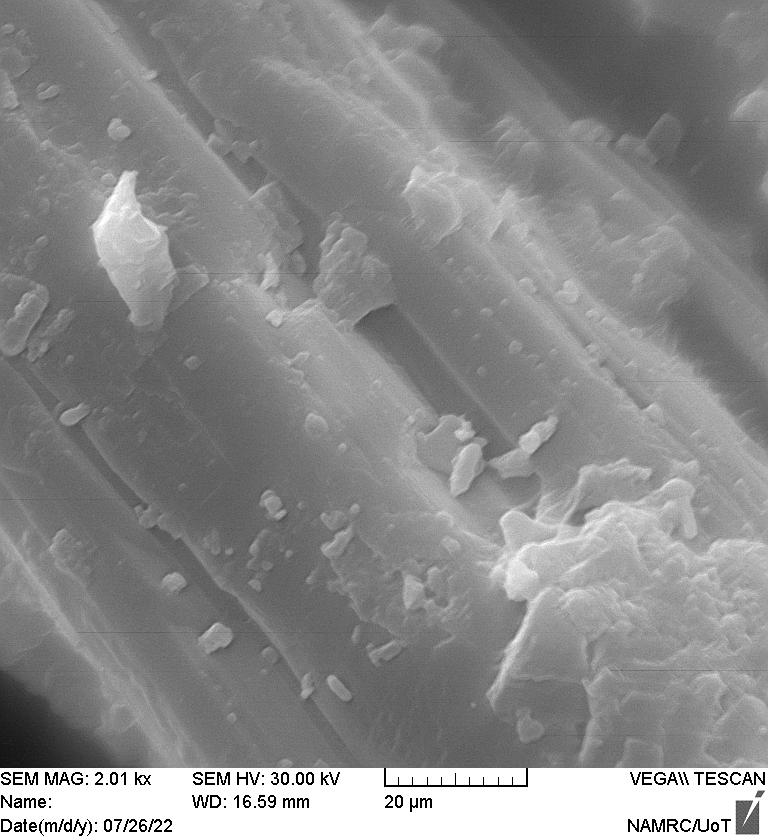
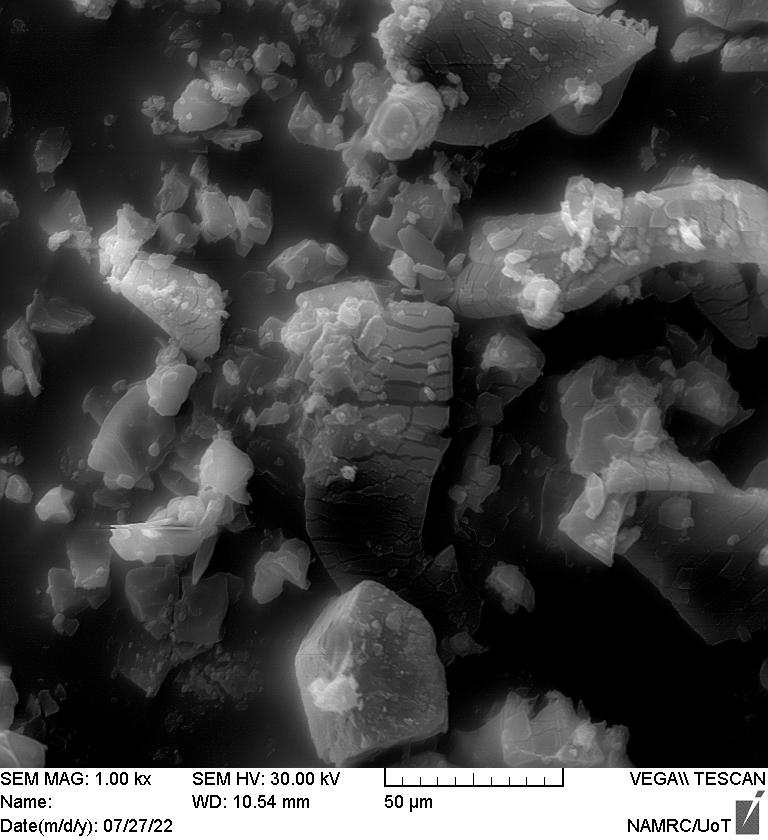
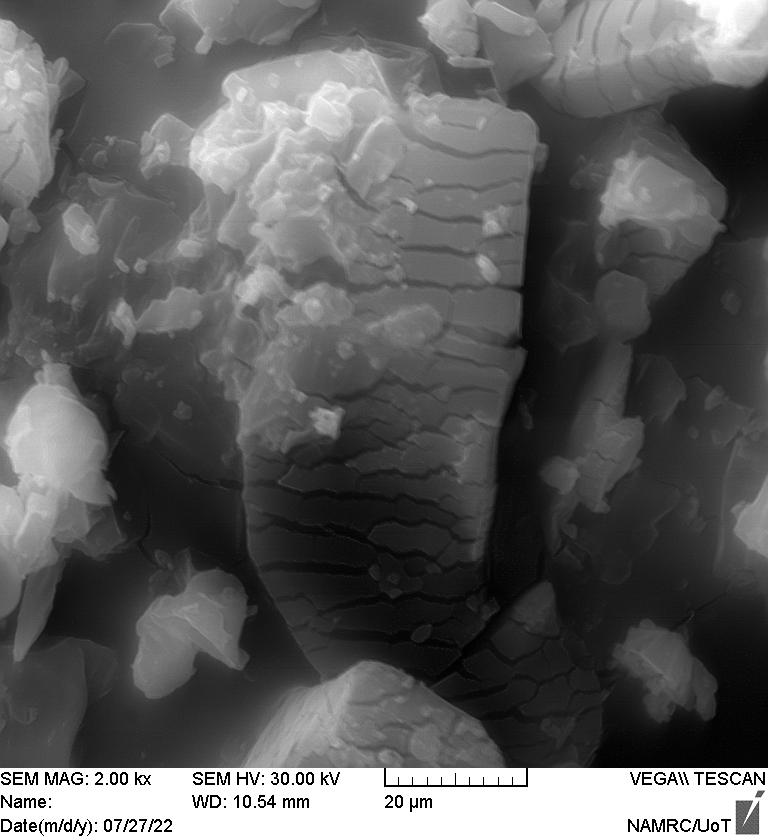
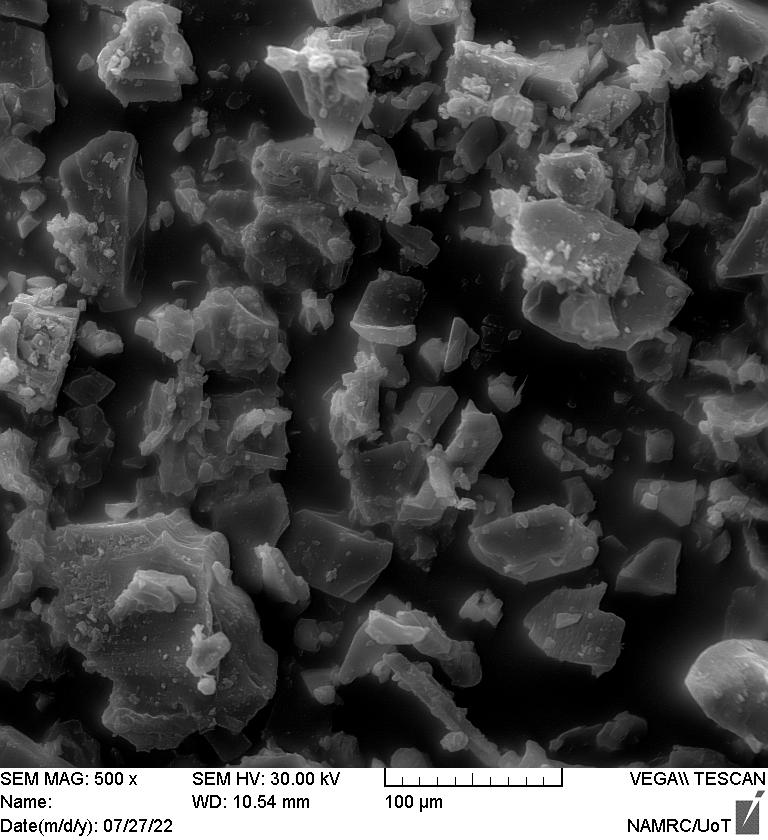
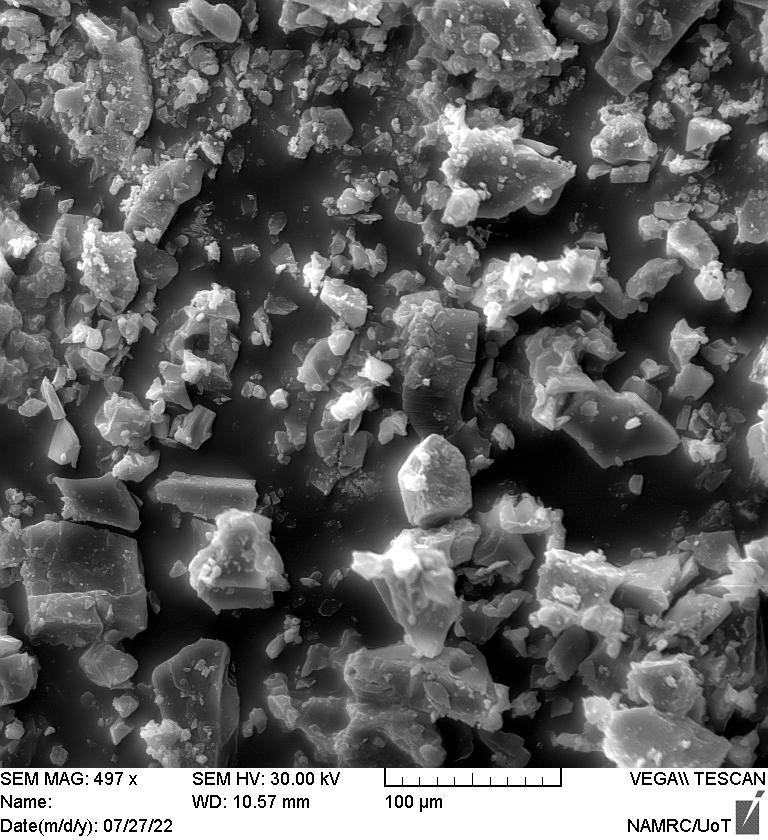
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Fig (5) SEM of ebastine



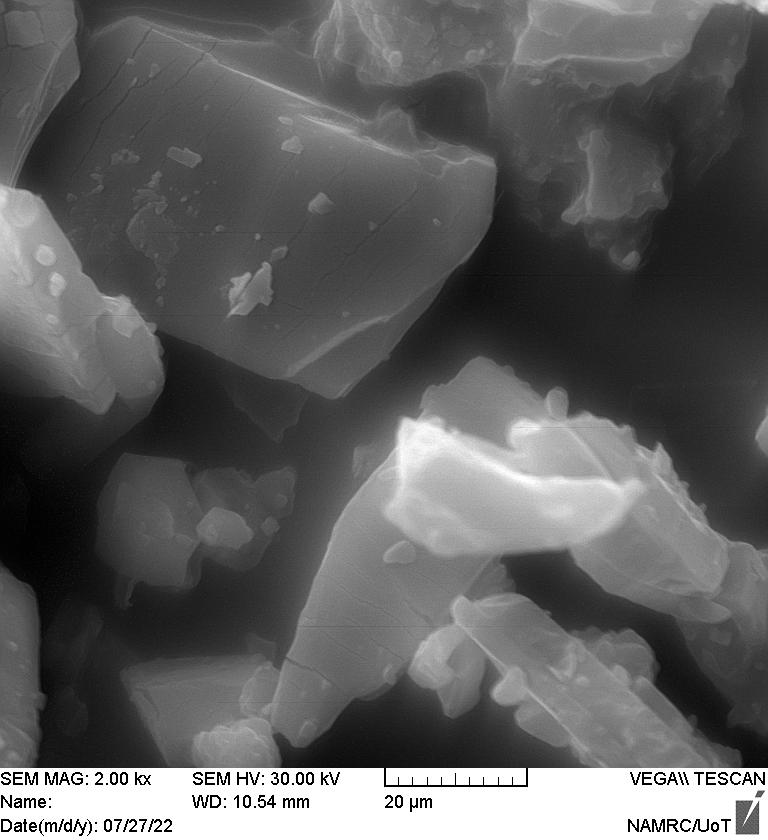
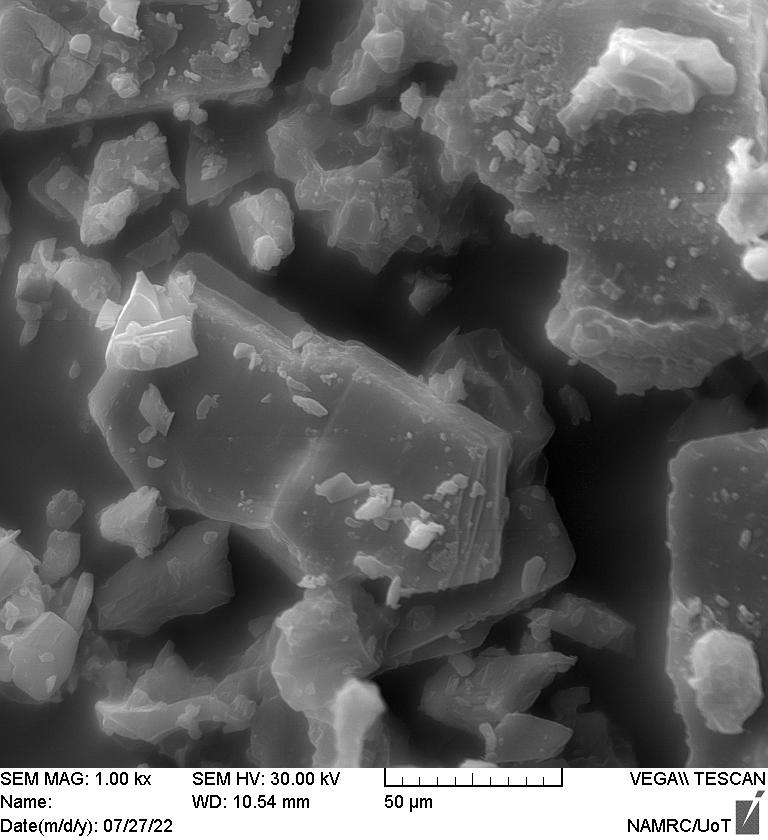


Fig (5) SEM of benzamide

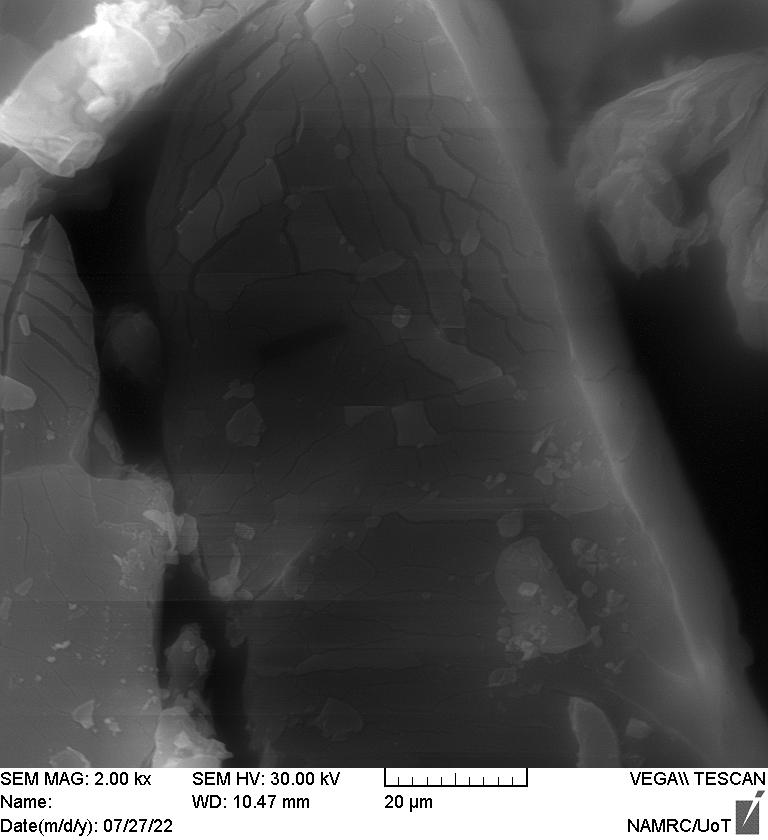
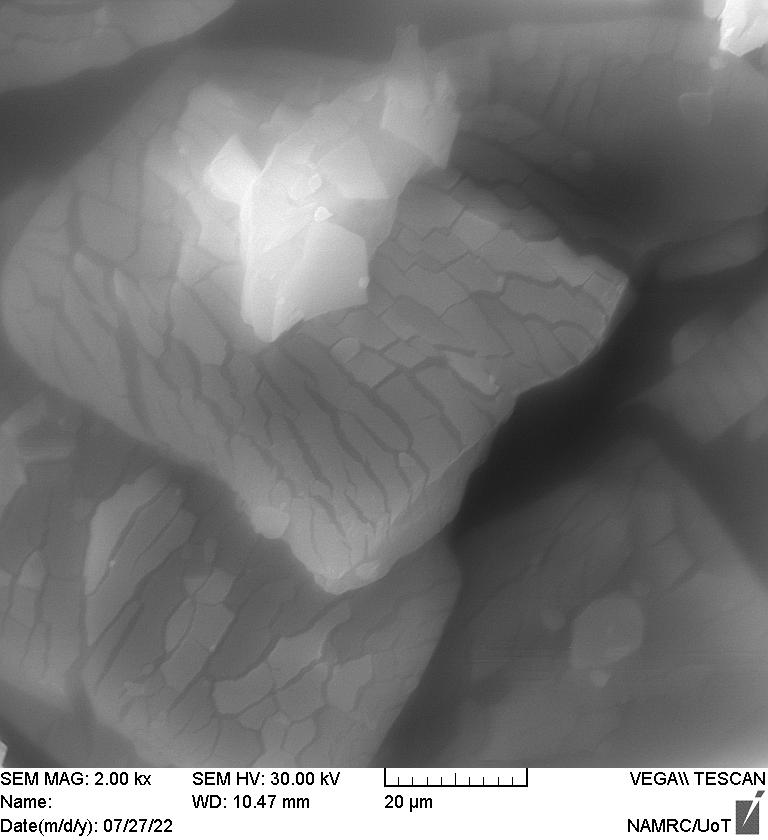
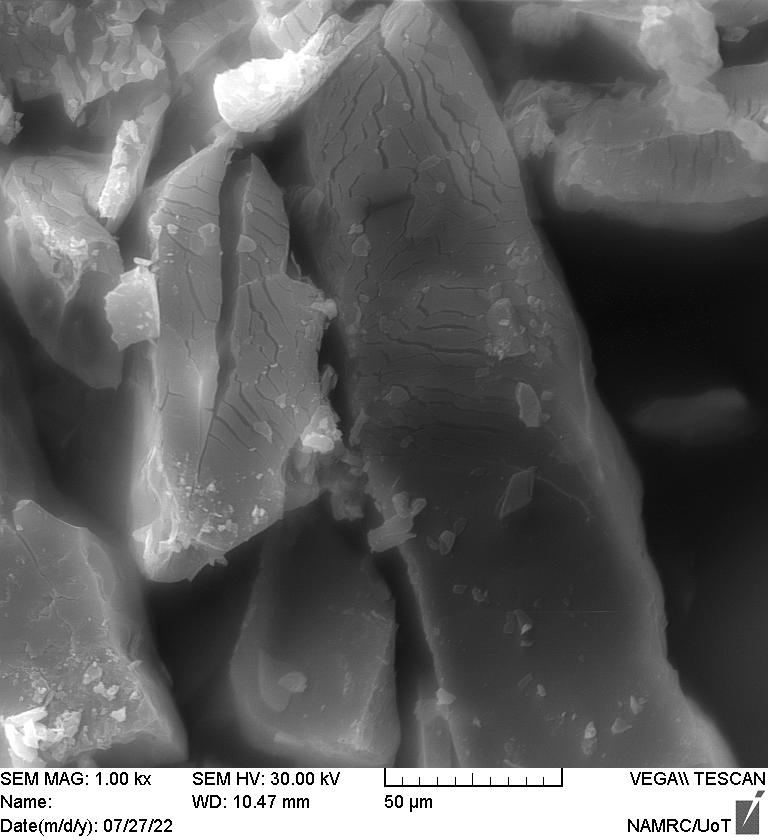
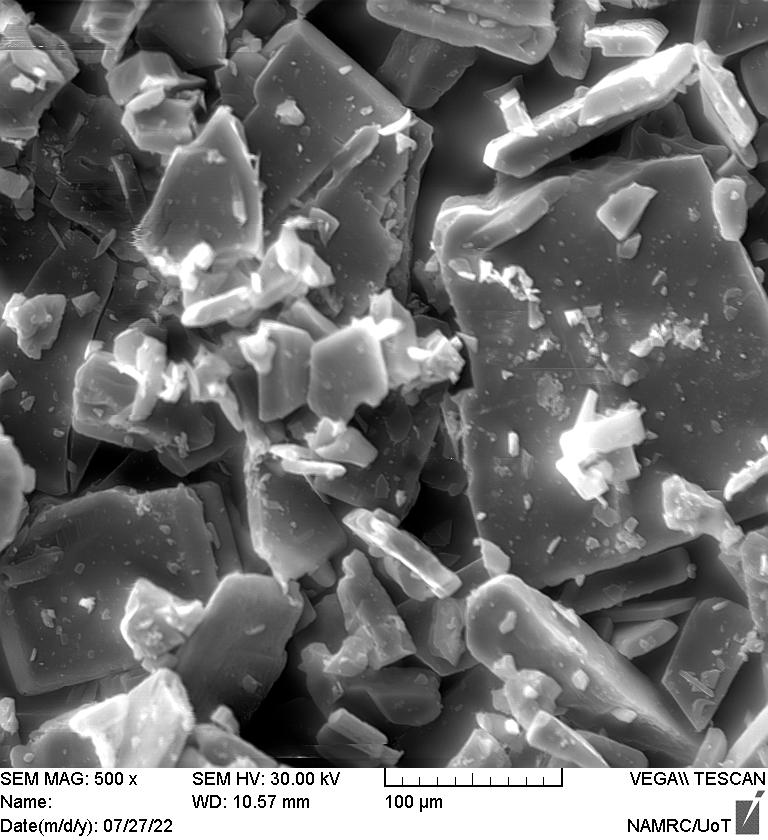
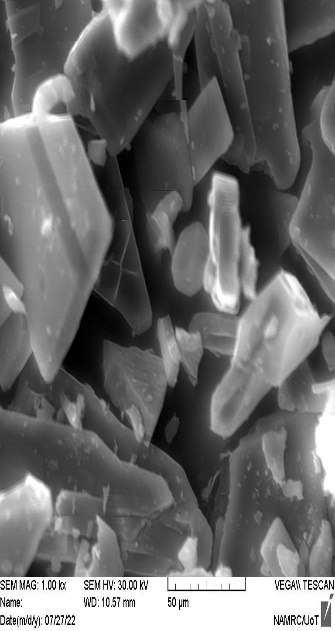
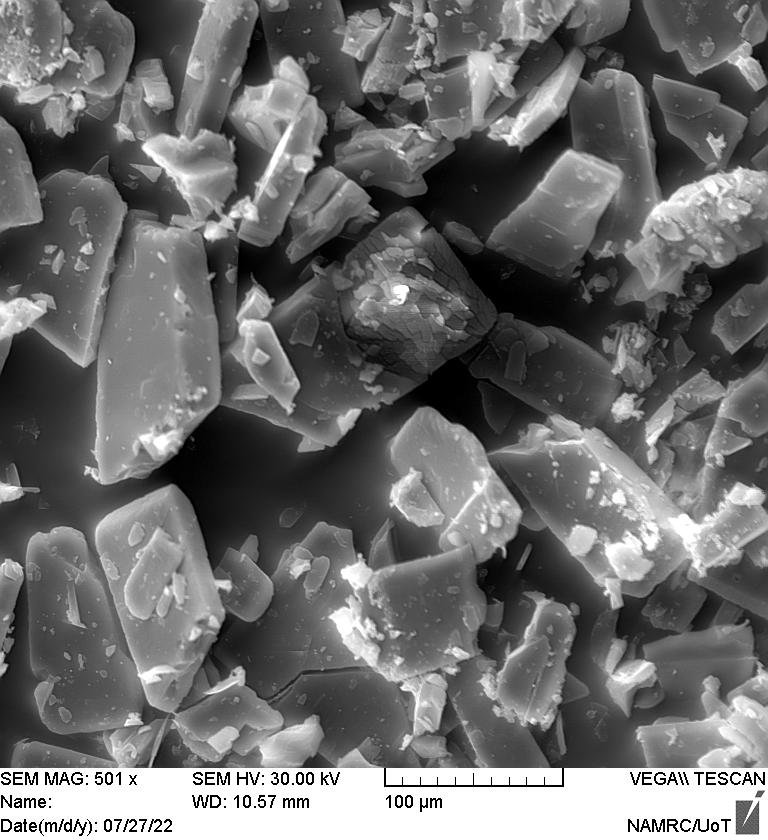


Fig (6) SEM of Ebastine- Benzanide (1\_8) molar ratio cocrystal

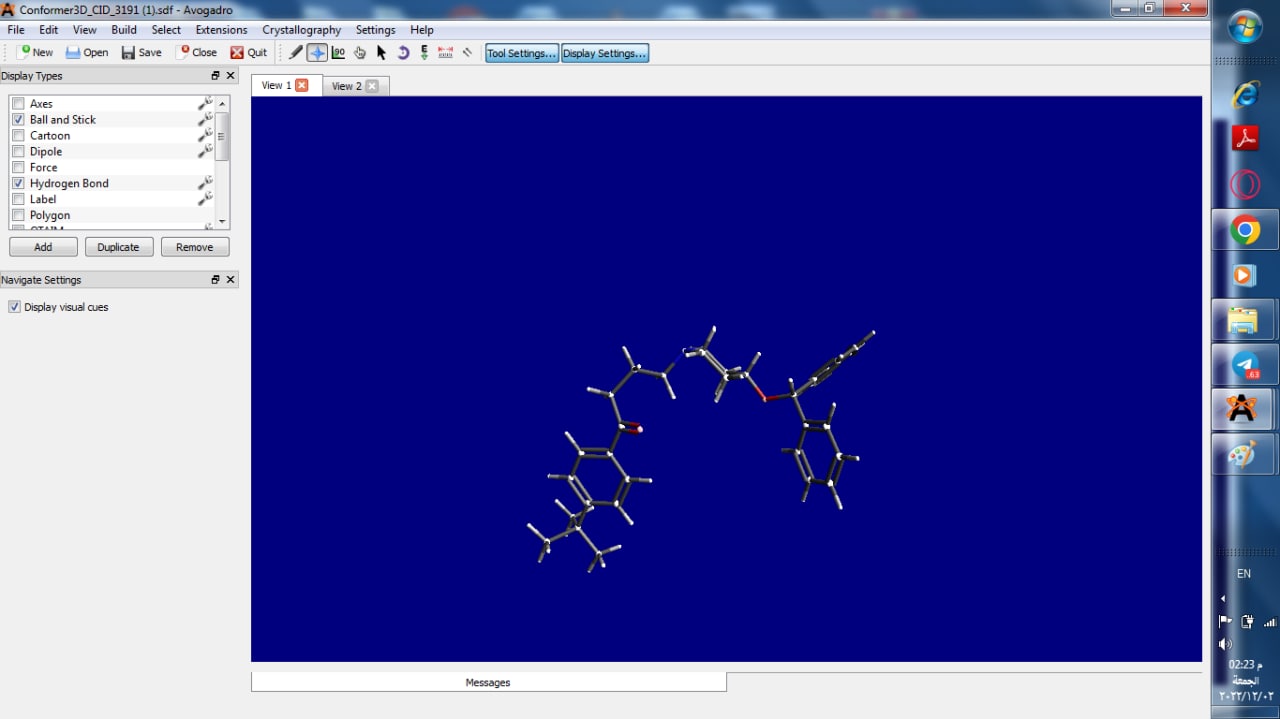


Fig (7) ebastine structure by Avogadro software

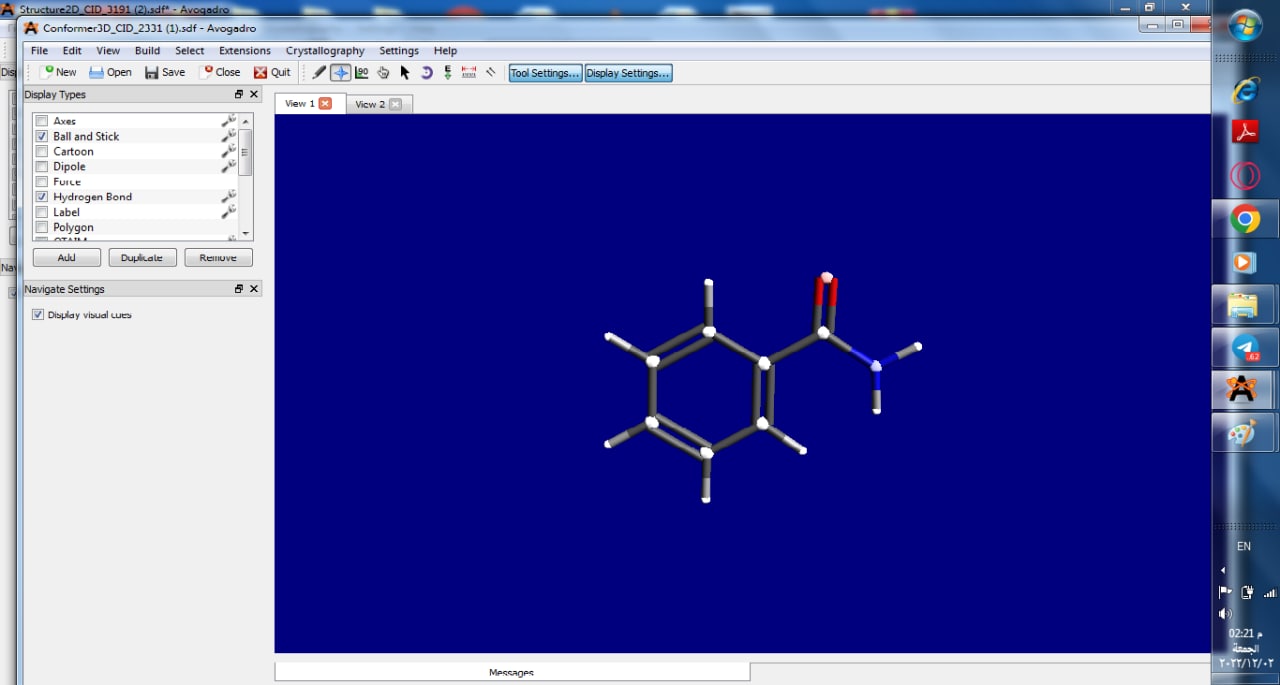


Fig (8) BENE structure by Avogadro software

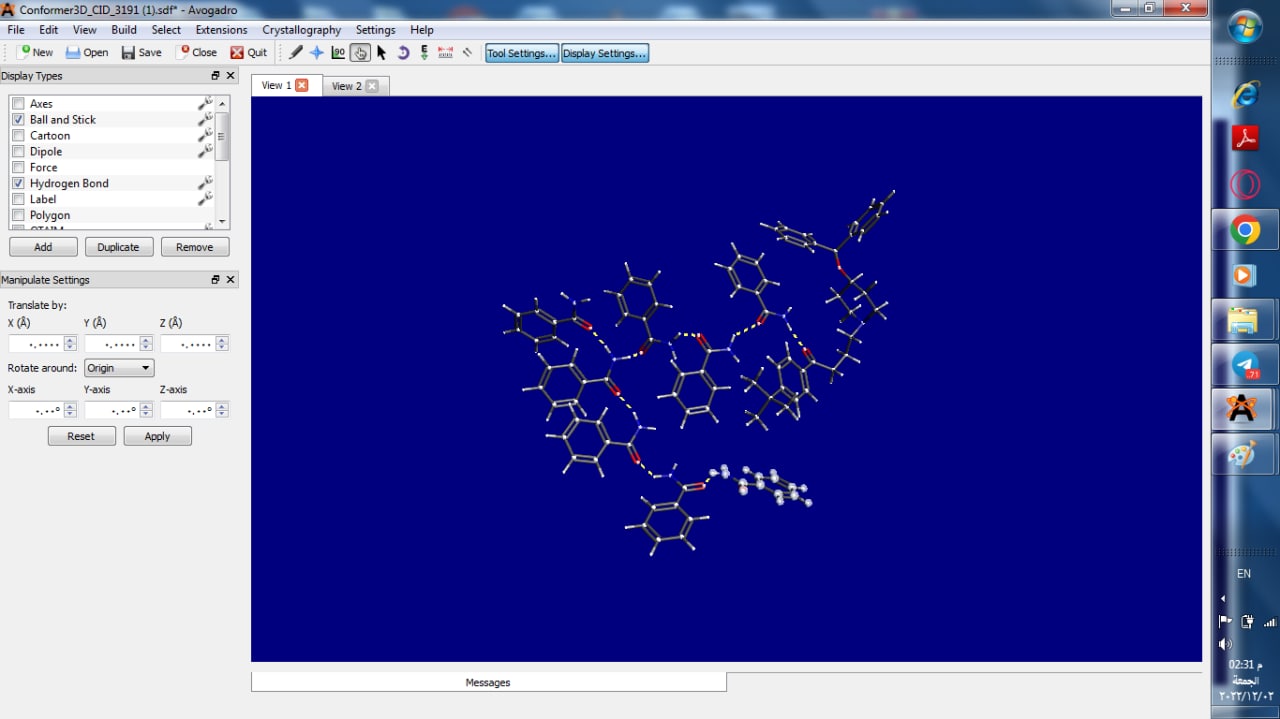
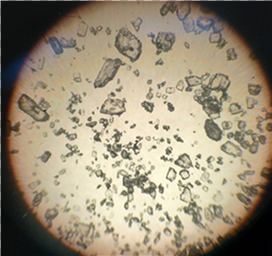


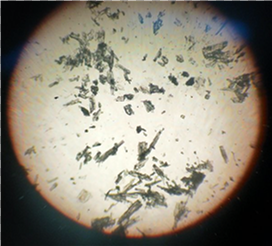
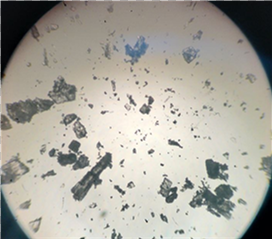
Fig (9) EB-BENZ cocrystal (1-8) molar ratio

Fig(10) release profile of cocrystal in EB-BENZ (1-4) molar ratio in different method

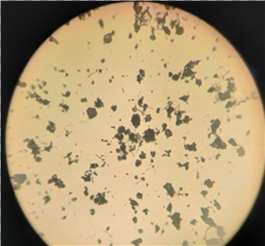
Fig(11) release profile of cocrystal in EB-BENZ (1-8) molar ratio in different method

**a b**

** **

**c d**



**e**

fig(12) optical microscope (a)EB(b) BENZ(c)EB-BENZ3(SE)(d)EB- BENZ6slurry(e) EB-BENZ9(LAG)