

SCREENING FOR NEW CRYSTAL FORMS BASED ON MECHANICAL ACTIVATION OF MIXTURES

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Mechanical activation for processing of solids has a long history and is regularly used in pharmaceutical processing e.g. in micronization or creation of amorphous forms. With the recent increase in cocrystals as alternate solid forms to salts, for example, we have studied mechanical activation as a simple and effective way for screening for cocrystal formation between two (or more) components. To date such mechanical treatment does seem an efficient way to screen for cocrystal formation and comments will be provided. We have also shown that “grinding” is also a useful way to search for new polymorphs and for salt formation.