SALT AND COCRYSTAL FORM SELECTION

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1 INTRODUCTION

Form selection is critical to the successful development of an active pharmaceutical ingredient (API) [1–5]. A number of physical properties vary with the solid form (a partial list is given in Table 1) and several properties such as crystallinity, solubility, and stability need to be measured and evaluated to determine whether a candidate will be acceptable for development [6, 7]. If other options are needed, a different crystalline form, a different salt, or a cocrystal may be explored. It has been estimated that approximately half of all administered drugs are formulated as salts [8]. With more poorly soluble drugs being found and developed, form selection can

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