

## Appendix B. Studies included in this review article as the base for data analysis

### Year 1989

Fukuoka E, Makita M, Yamamura S. Glassy state of pharmaceuticals. III: Thermal properties and stability of glassy pharmaceuticals and their binary glass systems. *Chemical and Pharmaceutical Bulletin*, 1989, 37: 1047-1050.

### Year 1996

Yamamura S, Momose Y, Takahashi K, Nagatani S. Solid-state interaction between cimetidine and naproxen. *Drug Stability*, 1996, 1: 173-178.

### Year 1998

Lu Q, Zografi G. Phase behavior of binary and ternary amorphous mixtures containing indomethacin, citric acid, and PVP. *Pharmaceutical Research*, 1998, 15: 1202-1206.

### Year 2000

Yamamura S, Gotoh H, Sakamoto Y, et al. Physicochemical properties of amorphous precipitates of cimetidine–indomethacin binary system. *European Journal of Pharmaceutics and Biopharmaceutics*, 2000, 49: 259-265.

### Year 2002

Yamamura S, Gotoh H, Sakamoto Y, et al. Physicochemical properties of amorphous salt of cimetidine and diflunisal system. *International Journal of Pharmaceutics*, 2002, 241: 213-221.

### Year 2007

1. Hoppu P, Jouppila K, Rantanen J, et al. Characterisation of blends of paracetamol and citric acid. *Journal of Pharmacy and Pharmacology*, 2007, 59: 373-381.

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### Year 2009

1. Allesø M, Chieng N, Rehder S, et al. Enhanced dissolution rate and synchronized release of drugs in binary systems through formulation: Amorphous naproxen–cimetidine mixtures prepared by mechanical activation. *Journal of Controlled Release*, 2009, 136: 45-53.

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4. Hoppu P, Virpioja J, Schantz S, et al. Characterization of ultrasound extrudated and cut citric acid/paracetamol blends[J]. *Journal of Pharmaceutical Sciences*, 2009, 98: 2140-2148.

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### Year 2010

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2. Pajula K, Taskinen M, Lehto V P, et al. Predicting the formation and stability of amorphous small molecule binary mixtures from computationally determined Flory–Huggins interaction parameter and phase diagram. *Molecular Pharmaceutics*, 2010, 7: 795-804.

#### **Year 2011**

Löbmann K, Laitinen R, Grohgan H, et al. Coamorphous drug systems: enhanced physical stability and dissolution rate of indomethacin and naproxen. *Molecular Pharmaceutics*, 2011, 8: 1919-1928.

#### **Year 2012**

1. Löbmann K, Strachan C, Grohgan H, et al. Co-amorphous simvastatin and glipizide combinations show improved physical stability without evidence of intermolecular interactions. *European Journal of Pharmaceutics and Biopharmaceutics*, 2012, 81: 159-169.

2. Masuda T, Yoshihashi Y, Yonemochi E, et al. Cocrystallization and amorphization induced by drug–excipient interaction improves the physical properties of acyclovir. *International Journal of Pharmaceutics*, 2012, 422: 160-169.

#### **Year 2013**

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7. Paluch K J, McCabe T, Muller-Bunz H, et al. Formation and physicochemical properties of crystalline and amorphous salts with different stoichiometries formed between ciprofloxacin and succinic acid. *Molecular Pharmaceutics*, 2013, 10: 3640-3654.

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1. Dengale S J, Ranjan O P, Hussien S S, et al. Preparation and characterization of co-amorphous Ritonavir–Indomethacin systems by solvent evaporation technique: Improved dissolution behavior and physical stability without evidence of intermolecular interactions. *European Journal of Pharmaceutical Sciences*, 2014, 62: 57-64.

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4. Corner P A, Harburn J J, Steed J W, et al. Stabilisation of an amorphous form of ROY through a predicted co-former interaction. *Chemical Communications*, 2016, 52: 6537-6540.

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## **Year 2018**

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#### Year 2019

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