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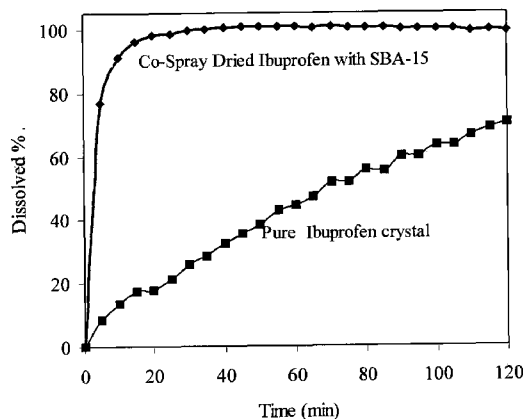


FIG. 1

(57) Abstract: The present invention encompasses formulations and methods for producing solid dispersions comprising mesoporous materials with poorly aqueous soluble active ingredients. The active ingredient is formed in the amorphous state and entrapped in the nanosized pores of the mesoporous excipients using a co-spray drying process. The pore walls of mesoporous channels stabilize the amorphous form of active ingredient against re-crystallization. The amorphous active ingredient entrapped in mesoporous channels exhibits good stability during extended storage under stress test conditions and possesses significantly enhanced dissolution rates.