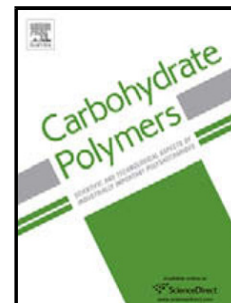


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# The effect of mechanical grinding on the formation, crystalline changes and dissolution behaviour of the inclusion complex of telmisartan and $\beta$ -cyclodextrins

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## Highlights

The inclusion ratio was established by phase solubility study and Job Plot.

The complexes were characterized by DSC, XRPD, FTIR and SEM .

The complexes' configuration was proposed by Computer Molecular Modeling.

Complexes achieved dissolution rates comparable with the marketed reference medicine.

Complexes showed faster pharmacological effect than the free drug during *in vivo* studies.

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