



Improvement of Anti Inflammatory Activity of Quercetin with Cyclodextrin Complexes

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SUMMARY. The objective of this study was to enhance the anti-inflammatory activity of quercetin through complexation, by kneading method, with β cyclodextrin (β CD), hydroxy propyl β cyclodextrin (HP- β CD), and sulpha butyl ether β cyclodextrin (SBE- β CD). The anti inflammatory activity was determined by rat paw edema method. The anti-inflammatory activity of the kneaded complexes of quercetin- β CD/ HP- β CD/ SBE- β CD inclusion complexes demonstrated enhanced of anti-inflammatory activity in the order SBE- β CD > HP- β CD > β CD > pure quercetin.

KEY WORDS: Anti-inflammatory, Carrageenan, Cyclodextrins, Quercetin.

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