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 (βCD), hydroxy propyl β cyclodextrin (HP-βCD), and sulpha butyl ether β cyclodextrin (SBE-βCD). The anti inflammatory activity was determined by rat paw edema method. The anti-inflammatory activity of the kneaded complexes of quercetin-βCD/ HP-βCD/ SBE-βCD inclusion complexes demonstrated enhanced of anti-inflammatory activity in the order SBE-βCD > HP-βCD > βCD > pure quercetin.

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