

[ABSTRACT]

7-CARBOXYMETHYLOXY-3', 4', 5-TRIMETHOXY FLAVONE MONOHYDRATE, THE
PREPARATION METHOD AND USES THEREOF

The present invention relates to 7-carboxymethyloxy-3', 4', 5-trimethoxy flavone.monohydrate which is a non hygroscopic product suitable for the preparation of metered dose of 7-carboxymethyloxy-3'4'5-trimethoxy flavone having protective activity for gastrointestinal tract including the colon, and a preparation method and uses thereof.

7-carboxymethyloxy-3'4'5-trimethoxy flavone.monohydrate of the present invention has advantages such as mucus protecting activity for gastrointestinal tract including the colon, convenience for handling and storage under ordinary humidity owing to its non-hygroscopicity, and ability to contain an active compound consistently for the formulation production of a medicine. In addition, the preparation method of 7-carboxymethyloxy-3'4'5-trimethoxy flavone.monohydrate of the present invention reduces long steps of total synthesis and requires mild conditions for the production of a compound because autoclave condition is not necessary for methylation in this case, and makes mass-production possible without any purification process such as recrystallization or column chromatography.