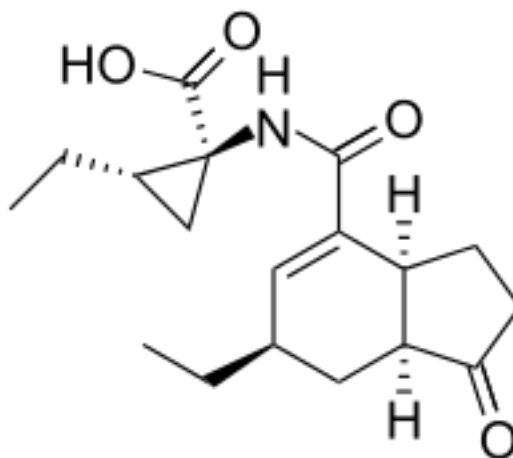


CIPAC STATUS REPORT

28.08.2023



XXXX coronatine

Allocated to

CIPAC methods published in: CIPAC Handbook -

CIPAC

CIPAC 67th meeting, June 2023 Braunschweig

Coronatine by Ms Xu Rong (5339, 5340)

Ms Rong presented the results of a small scale collaborative study for the determination of the coronatine content in two TC materials and three SL formulations by C18 HPLC with UV detection at 220 nm and quantification by external standardization. The extraction was performed with methanol followed by a final dilution step with HPLC eluent (acetonitrile: 0.1% phosphoric acid in water 30:70 (v/v)). Four laboratories participated, all laboratories reported in time and no method deviations were reported. The statistical evaluation was performed according to DIN ISO 5725 and the 'Guidelines for CIPAC Collaborative Study Procedure for Assessment of the Performance of Analytical Methods'. Testing for outliers/stragglers was not performed. The HorRat values ranged from 0.04-0.3 indicating compliance to the test criteria.

Ms Rong considered the method to be suitable validated and recommended continuation with full scale collaborative trial.

The following comments were received from the meeting:

- Ms Tessier suggested to change the sample amount from 19 to 20 mg.
- Ms Nováková asked why different injection volumes were applied. Ms Rong responded by explaining that the concentration of coronatine in SL formulations is very low, there is a need to inject more.
- Mr Pigeon asked whether all isomers were included. Ms Rong replied by explaining that the substance was obtained after fermentation and that as a result only one isomer is produced and was investigated.

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Closed meeting:

Mr De Rijk remarked that no explanation was presented related to the HorRat values below 0.3.

Mr Hänel replied that this is only requested when performing a full scale trial.

No further comments were received, the method was recommended to a **full scale** CIPAC trial.