



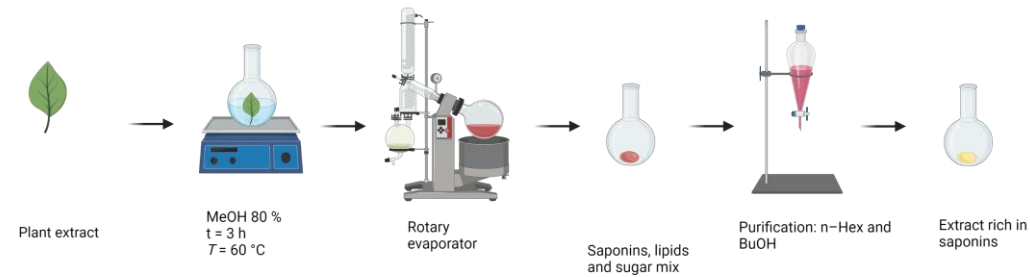
Development of a UHPLC–MS/MS method for the characterization of natural extracts rich in saponins

AIM OF THE STUDY

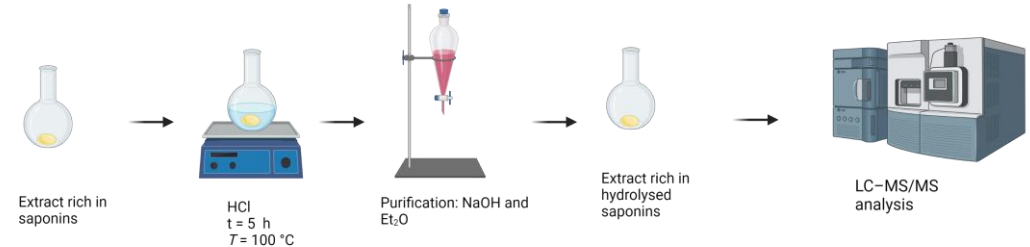
Qualitative and quantitative identification of saponins in plant extracts by UHPLC–MS/MS

MATERIALS AND METHODS

1. Saponins extraction



2. Saponins hydrolysis

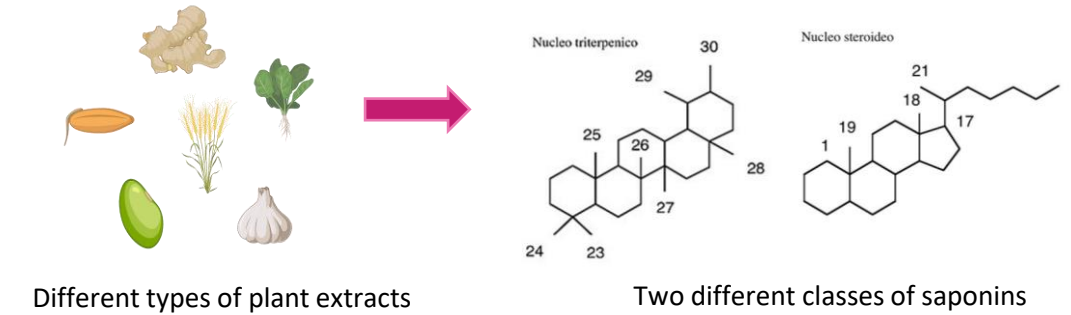


CONCLUSION AND FUTURE PROPOSAL

As observed from TLC, the extraction method is effective. The chromatographic method is under development: preliminary results have been obtained on the non-hydrolysed extracts in MRM mode.

References: Montoro, P., et al, (2010). Determination of steroidal glycosides in *Yucca gloriosa* flowers by LC/MS/MS. *Journal of pharmaceutical and biomedical analysis*, 52(5), 791-795.

Results:



Thin layer chromatography (TLC)

