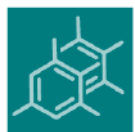


# RECHERCHE



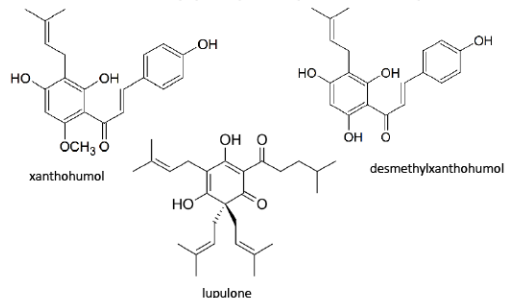
molecules

March 2019 – doi:10.3390/molecules24061024

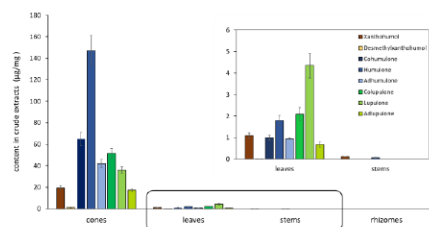


## Phenolic compounds from *Humulus lupulus* as natural antimicrobial products: new weapons in the fight against methicillin resistant *Staphylococcus aureus*, *Leishmania mexicana* and *Trypanosoma brucei* strains

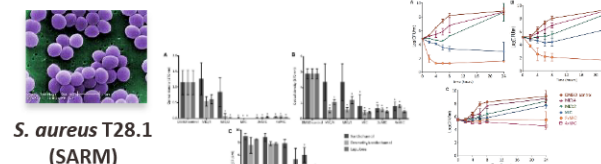
Purification of hop prenylated phenolic compounds



Quantification by UPLC-UV of main prenylated phenolic compounds in different hop parts



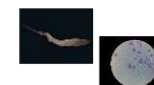
Antibacterial bioassays against MRSA (kill curves, post-antibiotic effects, anti-biofilm and synergy assays)



Strong antibacterial action (MIC < 1 µg/mL for the most active compound) and antibiofilm effect against MRSA strains

Cytotoxicity experiments (WI-38, J774, Hep-G2, MG-63)

Antiparasitic bioassays (*Trypanosoma brucei brucei*, *Leishmania mexicana mexicana*)



Antiparasitic activity particularly on *T. brucei* (IC<sub>50</sub> < 1 to 11 µg/mL)

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