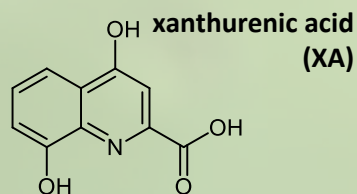
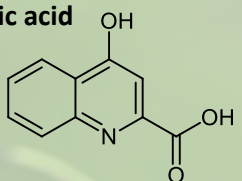
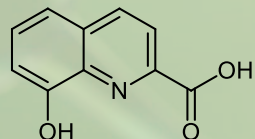


SYNTHESIS AND CHARACTERIZATION OF TRYPTOPHAN METABOLITES METAL COMPLEXES

Kynurenic acid
(KynA)



8-hydroxyquinoline-
2-carboxylic acid
(8-HQA)



🕒 CA18202 - STSM 30 days



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Trp metabolic disorder can affect the balance of intestinal microbiota leading to inflammation that contributes to the progression of colorectal cancer (CRC), and vice-versa, i.e., CRC development results in inflammation that changes the homeostasis of intestinal microbiota affecting Trp metabolism. KynA, XA, 8-HQA are TrpM with biological activity due to their sequestering ability towards specific metal ions (e.g., Fe, Cu, Zn). In the frame of the work, an efficient strategy of synthesis for Fe^{3+} , Cu^{2+} , Zn^{2+} - TrpM complexes have been developed.

🎯 New skills (inorg. synthesis)

🎯 Teamwork improvement

🎯 German life and food

