

## **FQM-182 Research Group in Compounds of Biological Interest (GICIB)**

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The Research Group in Compounds of Biological Interest conducts its activity in the field of Organic Chemistry. Its objective is the isolation, identification and synthesis of organic compounds of special relevance and application in biomedicine, as well as in the agrifoods industry.

### **Research lines**

- Isolation, synthesis and structural characterization of bioactive organic compounds
- Search for bioactive compounds: nitrogen heterocyclic derivatives
- Synthesis of natural products and bioactive structural analogs
- Design, synthesis and biological evaluation of selective inhibitors of the LDHA enzyme
- Isolation, characterization and use of pheromones in pest control
- Natural antioxidants and essential oils
- Structural analysis by crystal x-ray diffraction

### **Related services and products**

- [Attractant and procedure for controlling the Euzophera pinguis \(Haw.\) moth](#)
- [Procedures for obtaining enantiomerically pure and racemic norambreinolide](#)
- [New molecule with sandalwood-type scent, procedure for its preparation and use as an odorant](#)
- [Procedure for extraction of olive wood and enriched extracts in products of food-related interest](#)
- [Synthesis and chemical study of nitrogen-based heterocycles](#)
- [Advice for handling populations of Euzophera pinguis](#)
- [Identifying attractants of harmful insects](#)
- [Chemical study of essential oils and quality assessment](#)
- [Study of oil and fat compounds](#)
- [Chemical synthesis and development of products applicable in perfumery](#)
- [Chemical study and activity of natural antioxidants](#)
- [Synthesis of pheromones](#)
- [Specialization courses in compounds of biological interest](#)

**Spanish website:** <https://bit.ly/2T4djzd>