



## **PREPARATIVE HIGH PERFORMANCE LIQUID CHROMATOGRAPHY SYSTEM EQUIPPED WITH UV DETECTOR**

**(Preparative HPLC/UV; mod. Nexera Prep)**

**VENDOR:** SHIMADZU ITALIA SRL

**YEAR OF ACQUISITION:** 2023

**SCIENTIFIC SUPERVISOR:** Prof. Gabriele Costantino

### **Technical features:**

- Binary pump, flow rate up to 50 ml/min.
- Capillary tubing for flow rate from 15 to 40 ml/min.
- Column organizer.
- Variable wavelength UV detector (190-700 nm)
- Preparative flow cell for flow rate up to 50 ml/min.
- Preparative manual injector.
- 5 ml steel loop.
- Workstation for instrument control and data analysis with LabSolution software.

### **Applications:**

- Separation and purification of compounds obtained by organic or inorganic reactions.
- Fractionation of crude reaction mixtures.
- Fractionation of extracts containing substances of pharmaceutical or nutraceutical interest.

***Acquired for the Department of Excellence MUR 2023-2027***