

Instrument	Applications
Varian Inova 400 NMR	2-channel superconducting 400 MHz NMR Spectrometer that produces very high-resolution data. Liquid and solid samples are achievable for structural analysis and identification of organic molecules.
Buchi R-300 rotary evaporators with V-300 vacuum pumps	This equipment enables an automated, unattended process with optimized system parameters for the distillation process.
Buchi Lyovapor L-250	Freeze dryer capabilities at -85 °C, with a total capacity of 5kg and a condensing capacity of 4 kg/24 h for aqueous or organic mixtures.
Biotage Microwave Synthesizer	By exposing chemical reactions to electric fields under high pressure, the microwave synthesizer rapidly heats the molecules through motion-generated dipolar polarization or ionic conduction. This enables the core for simpler, faster, and greener synthesis.
CombiFlash NextGen 300+ (2)	Normal purification system from a milligram scale to 100 grams of sample. The CombiFlash NextGen 300+ comes standard with all options installed. Flow rate range is from 1 to 300 mL/min at operating pressures up to 300 psi (20 bar). The system is fitted with a solid load injection valve that can be bypassed if you decide to perform a liquid injection
ACCQ Prep HP150 Prep HPLC System	Reverse phase purification system for the purification of polar/complex compounds. This System has a UV variable wavelength and an ELS detector. 1-150 ml/min. Up to 6000 psi (400 bar). Sample loading range: milligram to 3 g.

