

1L-16 ORGANIC CHEMISTRY LABORATORY

Department	Department of Chemistry	
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General Information	Synthesis of structurally multifunctional and heterocyclic compounds containing multi stereocenter. Asymmetric pharmaceutical raw material synthesis.	
Laboratory Photo		
Applications	<ul style="list-style-type: none">○ Structure analysis○ Organic synthesis	
Equipment	<ul style="list-style-type: none">○ Analytical Balance (Ohaus)○ Rotary Evaporator (Heidolph)○ Vacuum Pump (Ilmvac)○ Vacuum Oven (Mmm Ecocell)○ Oven (Mmm Ecocell)○ Cryostat (Huber)○ Ultrasonic Bath (Wiseclean)○ Vortex (Heidolph)○ Shaker (Heidolph)○ UV-Lamp (Uvitec)○ Photoreactor (Kerman)○ Mechanical Testing Machine (Zwick/Roell)○ Magnetic Stirrer (Heidolph)○ Heated-Magnetic Stirrer (Heidolph)	

Projects	<ul style="list-style-type: none">○ Tübitak, Ardeb 1002, 119Z060, (01.10.2019-01.02.2021),○ Synthesis of 1,2-oxazepine-3,6-dione and its derivatives, a new heterocyclic ring system, 45.000 TL○ Tübitak, Ardeb 1001, 219Z136 (01.07.2020-01.07.2023), Asymmetric synthesis of <i>O, N, O</i>-spirolactone and Isoxazolines: Synthesis of natural product 4-Hydroxyornithine, 4-Hydroxynorvaline and 4-Hydroxyamino Acid derivatives, 540.000 TL