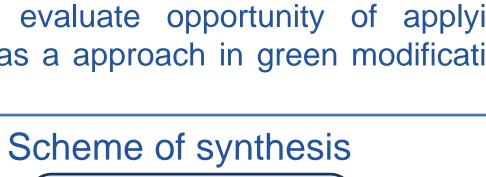
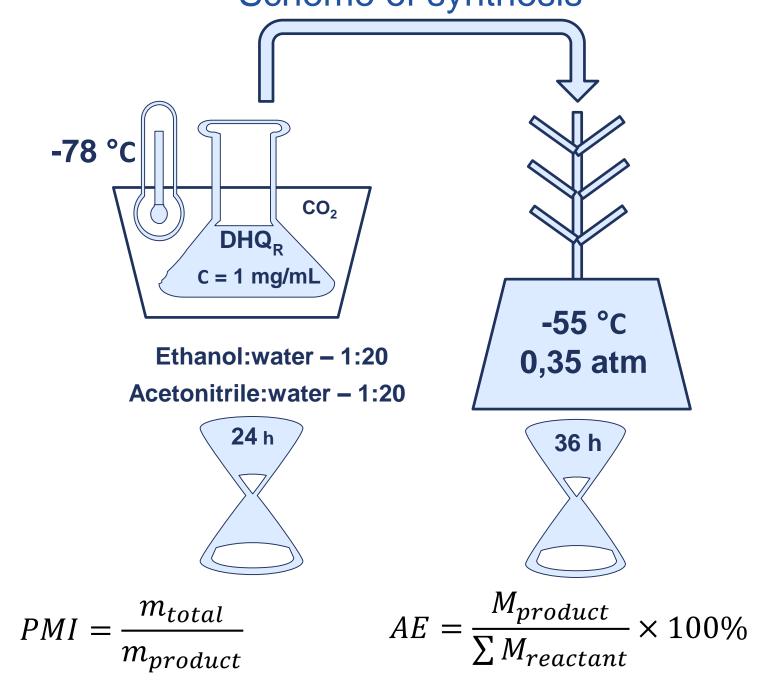




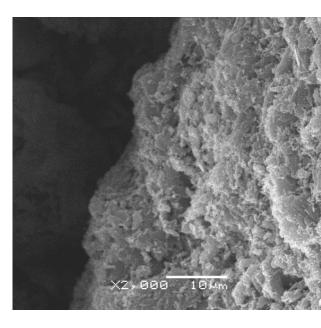
∠OH HO Dihydroquercetin (DHQ)

Objective: to evaluate opportunity of applying lyophilization as a approach in green modification of DHQ.

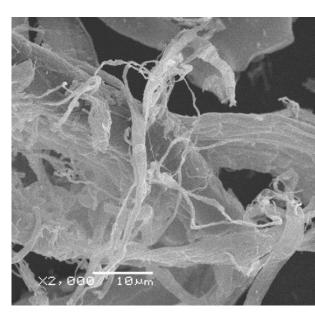




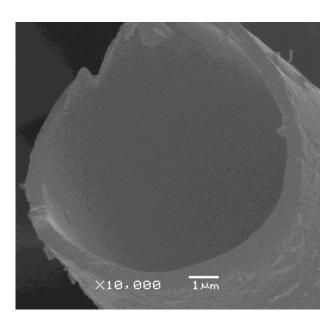
Synthesis and analysis of dihydroquercetin amorphous forms



DHQ_R



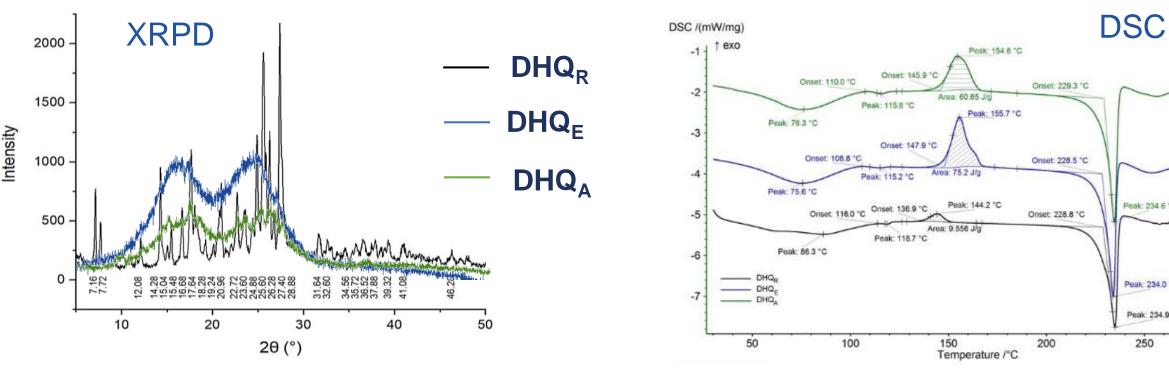
DHQ_E





Results

Sample	Solubility				
	Term by European Pharmacopeia	By sedimentation method, mg/mL	Yield, %	ΡΜΙ	AE
DHQ _R	very slightly soluble	0.70	_	-	
DHQ _E	soluble	3.09	97.0	1.03	1
DHQ _A	slightly soluble	2.14	95.6	1.05	1



lyophilizates obtained ecofriendly The DHQ via soluble in technologies are better water temperature

DHQ_R – dihydroquercetin raw substance

DHQ_E – ethanolic lyophilizate of dihydroquercetin

DHQ_A – acetonitrilic lyophilizate of dihydroquercetin

