Investigation of the micellization process of newly synthesized surfaceactive caffeine-based compounds in aqueous solutions



Network for Equilibria and Chemical Thermodynamics Advanced Research COST ACTION 18202



STSM Host: Prof. dr Marija Bešter-Rogač

Structures of the synthetised of caffeine-based compounds



Selected systems (caffeine-based compound in solvent)

Ethylene glycol N-ethyl- theophylline



N-ethyl- theophylline



water

theohylline Ethylene glycol





EMATH.

Univerza v Ljubljani Fakulteta za kemijo in kemijsko tebnologijo

Host institution: FKKT, Faculty of Chemistry and Chemical Technology University of Ljubljana

Methods:

Synthesis Thermal properties DSC (differential scanning calorimetry) Density

Viscosity m = 0.020 - 0.100 mol/kg

= 0.0125-0.125 mol/kg

m = 0.025 - 0.200 mol/kg





