



UMFT

Universitatea de
Medicină și Farmacie
„Victor Babeș”
din Timișoara

UEFISCDI PROJECT PN-II-RU-TE-2014-4 -184/2015

Title: Neurodegeneration and Brain Diseases: A new instrumental approach of analysis and development of pharmaceutical formulations

OBJECTIVES:

- O1. Target-oriented screening for biologically-active compounds used in therapy of BD.
- O2. Complete physico-chemical characterization of selected bioactive molecules used in braindiseases therapy by thin layer chromatography, melting interval, and spectroscopic techniques, followed by the analysis of thermal behavior and kinetic evaluation for thermal degradation.
- O3. Preformulation studies of selected APIs with various common pharmaceutical excipients.
- O4. Screening for obtaining new polymorphs of selected APIs by solvation and crystallization.
- O5. Characterization of the new crystal forms.
- O6. Building a database on the obtaining / synthesis of the new salts of selected active substances with various aminoacids (AA).