



UPPSALA
UNIVERSITET

Bioinformatics Engineering Program

Uppsala University School of Engineering

UPTEC X 10 033		Date of issue 2011-01
Author Annsofie Andersson		
Title (English) Pharmaceutical knowledge retrieval through reasoning of ChEMBL RDF		
Title (Swedish)		
Abstract <p>Development of new pharmaceuticals include numerous of tests and analyses, which unfortunately are both expensive and time consuming. The following study therefore aims to contribute to the area with development of new computer tools that uses the powerful Semantic Web and the ChEMBL database in a user-friendly environment like Bioclipse. In addition, relevant kinase studies utilizing these applications are performed to expand the knowledge in this area and to show the use of the developed tools.</p>		
Keywords <p>Bioclipse, ChEMBL, ligand, MoSS, RDF, Semantic Web, SPARQL, kinase proteins</p>		
Supervisors Egon Willihagen		
Scientific reviewer Jarl Wikberg		
Project name	Sponsors	
Language English	Security	
ISSN 1401-2138	Classification	
Supplementary bibliographical information	Pages 39	
Biology Education Centre Box 592 S-75124 Uppsala	Biomedical Center Tel +46 (0)18 4710000	Husargatan 3 Uppsala Fax +46 (0)18 471 4687