



Module Name: Pharmacokinetics

Institution: Boise State University

Principle Investigator(s): Celin Younan, celinyounan@boisestate.edu

Summary:

The purpose of this lab is to:

- 1) Students will be able to conduct searches on publicly available databases and interpret results (Pubchem and SwissADME).
- 2) Students will be able to compare and contrast chemical ADME properties in small groups to determine which chemical is more likely to have a biological effect in the consumer.
- 3) Students will formulate hypotheses to determine outcomes of chemical interactions within the body.
- 4) Students will conduct literature searches to support their formulated hypothesis.

This module has been used in BSU's Molecular Ecology (BIOL 409) course.

Contents:

- Lab: Pharmacokinetics ADME Lab
- Presentation: ADME Lab Module
- Spreadsheet: Zoology ADME Lab Module
- Article: "North American *Artemisia* species from the subgenus *Tridentatae* (Sagebrush): A phytochemical, botanical and pharmacological review" by Christina E. Turi, Paul R. Shipley, Susan J. Murch

Notes:

- Please contact the project PI or the GEM3 PUI Liaison for assistance in deploying this module in your course.

Questions? Contact the PI or the GEM3 PUI Liaison, Stephanie Sevigny, stephanieseigny@boisestate.edu

Last Updated: 10/16/2023