

**Module Name:** Pharmokinetics

**Institution:** Boise State University

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**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: Pharmokinetics 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.