

# AUP chemical review flow chart

Researcher lists all chemicals and pharmaceuticals used in protocol. OES reviews each to determine if additional information is needed.



## Is the chemical classified as one or more of the following?

1. Investigational Drug or chemical where hazards are unknown and/or have not thoroughly been investigated (e.g., as indicated on the SDS as “not yet determined”, “Not full investigated”)
2. Hazardous pharmaceutical (e.g., chemotherapy, cardiovascular, immunosuppressive, cytotoxic medication, Antineoplastic Agents, antiviral agents, etc.)
3. Listed on SDS as one of the following:



- a. Carcinogen
- b. Mutagen
- c. Reproductive Toxin
- d. Highly Toxic by inhalation, ingestion or dermal absorption
- e. Explosive

No

## Is the chemical classified into one or more of the following categories?

1. Estrogens dosed at levels below 1 mg/kg for laboratory animals.
2. Androgens, progestogens, and glucocorticoids dosed at levels below 2 mg/kg for laboratory animals.
3. Peptide/protein hormones – e.g., follicle stimulating hormone (FSH), chorionic gonadotropin (hCG), insulin, luteinizing hormone (LH), and thyroid stimulating hormone (TSH).
4. Standard of care medications– provided they are being used for their intended purpose
5. Anesthetics & Analgesics– provided they are used for their intended purpose.

No

Only need to be included in AUP. No other documentation needed.

Yes

## Pre-review is recommended. Researcher should:

1. Verify information on AUP is correct for dose, route, number of days administered, length of study, hazard indicated.
2. Fill out Standard Operating Procedure (SOP) for research staff using OES template <http://www.clemson.edu/research/safety/chemsafety/sop.html>
3. Obtain Special Animal Safety Procedure (SASP) for animal staff using OES template (Vertebrate Animal studies only)

Yes

**NOTE: This Flowchart is used by OES to determine if additional information is needed for chemical agent or pharmaceutical use.**

**Researchers are encouraged to complete a pre -chemical review form prior to submitting the AUP for review.**