Section 1 - Product and Company Information

Product name: CL401, CL401 VacciGrade™, Adilipoline™ (CL413), CL413 VacciGrade™, CL531, CL572

Cat. code: tlrl-c401, vac-c401, vac-c401-5, tlrl-c413, vac-c413, vac-c413-5, tlrl-c531, tlrl-c572

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Disclaimer: All InvivoGen products are supplied for research and laboratory use only. Not for drug, household or other uses.

Section 2 – Hazards Identification

Emergency Overview
OSHA Hazards: Toxic by ingestion.

GHS classification
Acute toxicity, Oral (Category 3)

GHS Label elements, including precautionary statements
Pictogram

Signal word Danger

Hazard statement H301 Toxic if swallowed.

Precautionary statements P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or a doctor/physician.

Section 3 – Composition/Information on Ingredient

Synonyms: S-(2,3-bis(palmitoyloxy)-(2RS)propyl)-(R)-cysteinyl 4-((6-amino-2(butyl amino)- 8-hydroxy-9H- purin-9-yl) methyl) aniline, a small lipophilic molecule comprising an 8-hydroxyadenine compound conjugated with a Pam2C group

CAS number: Not available
Section 4 – First Aid Measures

**General advice:** Consult a physician. Show this material safety data sheet to the doctor in attendance.

**After skin contact:** Immediately wash skin with soap and plenty of water. Consult a physician.

**After swallowing:** Never give anything by mouth to an unconscious person. Rinse mouth with water provided person is conscious. Consult a physician.

**After inhalation:** Remove to fresh air. If not breathing give artificial respiration. Consult a physician.

**After eye contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Consult a physician.

Section 5 – Fire Fighting Measures

**Suitable extinguishing media:** Water spray, carbon dioxide, dry chemical powder or appropriate foam.

**Specific hazards arising from the chemical:** Hazardous decomposition products formed under fire conditions; carbon oxides and nitrogen oxides.

**Special Firefighting Procedures:** Wear self-contained breathing apparatus for fire fighting if necessary.

Section 6 – Accidental Release Measures

**Personal precautions:** Wear protective equipment. Keep unprotected persons away. Avoid dust formation.

**Method for Cleaning Up:** Sweep up and place in closed containers for disposal. Dispose contaminated material as waste according to section 13. Ventilate area and wash spill site after material clean-up is complete.

Section 7 – Handling and Storage

**Handling:** Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure.

**User Exposure:** Avoid inhalation. Use personal protective equipment (i.e. impermeable gloves, lab coat or apron).

**Storage:** Store at -20 °C.

Section 8 – Exposure Controls/PPE

**Personal protective equipment**

**Respiratory protection**
Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection**
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Eye protection**
Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Hygiene measures**
Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Section 9 – Physical/Chemical Properties

**Appearance**
Physical state: Solid
Color: White

**Safety Data**
Odor: No data available
Odor threshold: No data available
pH: No data available  
Melting point/freezing point: No data available  
Initial boiling point and boiling range: No data available  
Flash point: No data available  
Evaporation rate: No data available  
Flammability: No data available  
Upper/lower flammability or explosive limits: No data available  
Vapor pressure: No data available  
Relative density: No data available  
Solubility: No data available  
Partition coefficient: n-octanol/water: No data available  
Autoignition temperature: No data available  
Decomposition temperature: No data available  
Viscosity: No data available  

Section 10 – Stability and Reactivity  

Reactivity: No data available  
Chemical stability: Stable under recommended storage conditions.  
Possibility of hazardous reactions: No data available  
Conditions to avoid: No data available  
Incompatible materials: Strong oxidizing agents, strong bases  
Hazardous decomposition products: No data available

Section 11 – Toxicological Information  

Acute toxicity:  
Oral LD50: No data available  
Inhalation LC50: No data available  
Dermal LD50: No data available  
Other information on acute toxicity: No data available  
Skin corrosion/irritation: No data available  
Serious eye damage/irritation: No data available  
Respiratory or skin sensitization: No data available  
Germ cell mutagenicity: No data available  
Carcinogenicity: No data available  
Reproductive toxicity: No data available  
Additional information: No data available

Section 12 – Ecological Information  

Ecotoxicity: No data available  
Persistence and degradability: No data available  
Bioaccumulative potential: No data available  
Mobility in soil: No data available

Section 13 – Disposal Considerations  

Product: Observe all federal, state and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Must not be disposed of together with household garbage.  
Contaminated Packaging: Dispose of as unused product.
Section 14 – Transport Information

ADR/RID: UN number 2811 Class: 6.1 Packaging group: III
Proper shipping name: Toxic solid, organic n.o.s. (Adenine analog)
DOT (US): UN number 2811 Class: 6.1 Packaging group: III
Proper shipping name: Toxic solid, organic n.o.s. (Adenine analog)
IMDG: UN-Number: 2811 Class: 6.1 Packing group: III EMS-No: F-A, S-A
Proper shipping name: Toxic solid, organic n.o.s. (Adenine analog)
Marine pollutant: No
IATA: UN-Number: 2811 Class: 6.1 Packing group: III
Proper shipping name: Toxic solid, organic n.o.s. (Adenine analog)

Section 15 – Regulatory Information

OSHA Hazards Toxic by ingestion
SARA 302 Component: None of the ingredients are listed.
SARA 313 Component: None of the ingredients are listed.
SARA 311/312 Hazards: Acute health hazard

Section 16 – Other Information

The information contained in this SDS relates only to the material(s) designated and does not relate to use(s) in combination with any other material, process(es) and/or chemical reaction(s). InvivoGen provides this information in good faith and is based on our present knowledge. This SDS is provided without warranty of any kind. The recipient is responsible for ensuring that, where applicable, existing laws and guidelines are observed.