## 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 |
| **Company identification:** | InvivoGen USA, 3950 Sorrento Valley Blvd, Suite 100<br>San Diego, California 92121, USA<br>(+1) 888 457 5873<br><br>InvivoGen Europe, 5 rue Jean Rodier<br>31400 Toulouse, FRANCE<br>+33 (0) 5 62 71 69 39<br><br>InvivoGen Hong Kong, Unit 709A, Bio-Informatics Center<br>2 Science Park West Avenue, Hong Kong Science Park<br>Shatin, Hong Kong<br>+852 3622 3480 |
| **Emergency number:** | ORFILA (INRS): +33 (0)1 45 42 59 59 |

**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<br>H301 | Toxic if swallowed. |
| Precautionary statements<br>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.