

## Section 1 - Product and Company Information

**Product Name:** Geldanamycin

**Cat. Code:** ant-gl-5, ant-gl-25

InvivoGen, 3950 Sorrento Valley Blvd, Suite 100  
San Diego, California 92121, USA  
(+1) 858 457 5873

**Company identification:**

Cayla-InvivoGen, 5 rue Jean Rodier  
31400 Toulouse, FRANCE  
+33 (0) 5 62 71 69 39

## Section 2 - Composition/Information on Ingredient

**Substance Name:** Geldanamycin from *S.hygroscopicus*

**Molecular weight:** 560

**CAS #:** 30562-34-6

**Formula:** C<sub>29</sub>H<sub>40</sub>N<sub>2</sub>O<sub>9</sub>

**EC number:** N/A

## Section 3 – Hazards Identification

**OSHA Hazards:** Target Organ Effect, Carcinogen, Teratogen **Target Organs:** Liver, Pancreas, Kidney, Gastrointestinal tract, Skeletal muscle.

**HMIS Classification:** Health Hazard **1**, Chronic Health Hazard \*, Flammability Hazard **0**, Reactivity Hazard **0**

**NFPA Rating:** Health Hazard **0**, Fire **0**, Reactivity Hazard **0**

### Potential Health Effects

- **Eye contact:** May cause eye irritation.
- **Skin contact:** May cause skin irritation.
- **Skin absorption:** May be harmful if absorbed through the skin.
- **Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.
- **Ingestion:** Harmful if swallowed.

## 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

**Extinguishing Media:** Water spray, carbon dioxide, dry chemical powder or appropriate foam.

**Special Firefighting Procedures:** N/A

**Flammability:** N/A

**Unusual Fire and Explosions Hazard (s):** N/A

**Flash point:** N/A

**Auto-ignition Temp:** N/A

## **Section 6 – Accidental Release Measures**

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

**Method for Cleaning Up:** Absorb on sand or vermiculite 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:** Keep tightly closed. Store at -20°C. Protect from light.

## **Section 8 – Exposure Controls / PPE**

**Engineering Measures:** Ensure adequate ventilation, especially in confined areas.

### **Personal Protective Equipment**

**Hand:** Protective gloves to prevent skin contact. **Eye:** Chemical safety goggles

**General Hygiene Measures:** Wash hands thoroughly after handling.

## **Section 9 – Physical / Chemical Properties**

**Appearance:** Yellow color

**Physical State:** Solid

## **Section 10 – Stability and Reactivity**

**Stability:** Stable

**Hazardous Polymerization:** Will not occur

**Materials to avoid:** Strong oxidizing agents

**Hazardous Decomposition Products:** Carbon oxides, nitrogen oxides.

## **Section 11 – Toxicological Information**

### **Acute toxicity:**

LD50 Oral: 2,500 mg/kg rat

LD50 Intraperitoneal: N/A

LD50 Intravenous: N/A

**Primary irritant effect:** N/A

**Sensitization:** N/A

**Target Organ:** Liver, Pancreas, Kidney, Gastrointestinal tract, Skeletal muscle.

**Additional toxicological information:** Carcinogen, Teratogen.

RTECS (Registry of toxic effects of chemical substances):LX8920000.

## **Section 12 – Ecological Information**

**Ecotoxicity:** Data not yet available.

**Mobility:** Data not yet available.

**Biodegradation:** Data not yet available.

**Bioaccumulation:** Data not yet 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**

**DOT (US):** Not dangerous goods.

**IATA:** Not dangerous goods.

**IMDG:** Not dangerous goods.

### **Section 15 – Regulatory Information**

**OSHA HAZARDS (US):** Target Organ Effect, Carcinogen, Teratogen

**DSL Status:** This product contains the following components that are not on the Canadian DSL nor NDSL lists.

Geldanamycin from *S.hygroscopicus* CAS #: 30562-34-6

**SARA 302 Component:** None of the ingredients are listed.

**SARA 313 Component:** None of the ingredients are listed.

**SARA 311/312 Hazards:** Chronic health hazard.

#### **U.S. State Regulations**

| Chemical Name                               | Massachusetts RTK | New Jersey RTK | Pennsylvania RTK |
|---|-------------------|----------------|------------------|
| Geldanamycin from<br><i>S.hygroscopicus</i> | -                 | X              | X                |

#### **Labeling and risk phrase according to EU Directives**

**Hazard symbol:** Xn Harmful

**S22:** Do not breathe dust

**S24/25:** Avoid contact with skin and eyes

**S36/37/38:** Wear suitable protective clothing, gloves and eye/face protection

**R22:** Harmful if swallowed

### **Section 16 – Other Information**

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

The information contained in this MSDS 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 MSDS is provided without warranty of any kind. The recipient is responsible for ensuring that, where applicable, existing laws and guidelines are observed.