

## Section 1 - Product and Company Information

**Product name:** SB202190

**Cat. code:** tlr1-sb90  
InvivoGen USA, 3950 Sorrento Valley Blvd, Suite 100  
San Diego, California 92121, USA  
(+1) 888 457 5873

**Company identification:** InvivoGen Europe, 5 rue Jean Rodier  
31400 Toulouse, FRANCE  
+33 (0) 5 62 71 69 39

**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

### **GHS Classification**

Skin irritation (Category 2)  
Eye irritation (Category 2)  
Specific target organ toxicity - single exposure (Category 3)

### **Classification according to EU Directives 67/548/EEC or 1999/45/EC**

Irritating to eyes, respiratory system and skin.

### **Labeling according Regulation (EC) No 1272/2008 [CLP]**

Pictogram



Signal word      Warning

### Hazard statement(s)

H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.

### Precautionary statement(s)

P261 Avoid breathing dust/fume/gas/mist/vapors/ spray.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### **According to European Directive 67/548/EEC as amended.**

Hazard symbol(s)



### R-phrases(s)

R36/37/38 Irritating to eyes, respiratory system and skin.

## S-phrases)

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37 Wear suitable protective clothing and gloves.

**Section 3 – Composition/Information on Ingredient****Synonyms:** 4-(4-Fluorophenyl)-2-(4-hydroxyphenyl)-5-(4-pyridyl)-1H-imidazole**CAS number:** 152121-30-7**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:** No data available**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**

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection**

For prolonged or repeated contact use protective gloves.

**Eye protection**

Safety glasses

**Hygiene measures**

General industrial hygiene practice.

## **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:** No data available

**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:** Not dangerous goods

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

**IMDG:** Not dangerous goods

**IATA:** Not dangerous goods

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

#### **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

no data available

#### **15.2 Chemical Safety Assessment**

no data available

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

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.