



**Safety Data Sheet (SDS)** According to the OSHA Hazard Communication Standard 29 CFR 1910.1200

**Issuing Date:** 2014-03-13

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**Version:** 2

## SECTION 1. Identification

### Product identifier

**Product No** 12466  
**Product name** Pazopanib  
**Other means of identification** 12466S

### Recommended use of the chemical and restrictions on use

**Identified uses** This product is intended for research purposes only.

### Manufacturer, importer, supplier

**Manufacturer address** Cell Signaling Technology, Inc.  
3 Trask Lane  
Danvers, MA 01923  
United States  
TEL: +1 978 867 2300  
FAX: +1 978 867 2400

**Website** [www.cellsignal.com](http://www.cellsignal.com)  
**Email address** [support@cellsignal.com](mailto:support@cellsignal.com)  
**Emergency telephone number** In case of emergency call CHEMTREC 1-800-424-9300

## SECTION 2. Hazard(s) identification

### Classification

This substance/mixture is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

<b>Reproductive toxicity</b>	Category 1B
<b>Specific target organ toxicity - repeated exposure (STOT RE)</b>	Category 1

### GHS Label elements, including precautionary statements



**Signal Word**  
Danger

### **Hazard statement(s)**

May damage fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure.

### **Precautionary Statement(s)**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal

protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands and any exposed skin thoroughly after handling.  
IF exposed or concerned: Get medical advice/attention.

### **Supplementary Hazard Information**

No information available.

#### **Hazards not otherwise classified (HNOC)**

No information available.

**Unknown Acute Toxicity** 100% of the mixture consists of ingredient(s) of unknown acute toxicity

## **SECTION 3. Composition/information on ingredients**

<b>Formula</b>	C <sub>21</sub> H <sub>23</sub> N <sub>7</sub> O <sub>2</sub> S
<b>Molecular Weight</b>	437.52
<b>Chemical nature</b>	Monoconstituent substance
<b>Common name</b>	Pazopanib
<b>Synonyms</b>	Pazopanib; Votrient; GW786034; UNII-7RN5DR86CK

<b>Chemical Name</b>	<b>CAS No</b>	<b>Weight %</b>
5-[[4-[(2,3-Dimethyl-2H-indazol-6-yl)methylamino]-2-pyrimidinyl]amino]-2-methylbenzolsulfonamide	444731-52-6	60-100

## **SECTION 4. First-aid measures**

<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin contact</b>	Wash skin with soap and water.
<b>Inhalation</b>	Move to fresh air.
<b>Ingestion</b>	Clean mouth with water and afterwards drink plenty of water.

### **Most important symptoms and effects, both acute and delayed**

Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting

### **Indication of any immediate medical attention and special treatment needed**

Hepatotoxicity manifested as increases in serum transaminases (ALT, AST) and bilirubin; can be severe and fatal. Hemorrhagic events have been reported.

### **Advice for emergency responders**

<b>General advice</b>	For further assistance, contact your local Poison Control Center.
<b>Protection of first-aiders</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

## **SECTION 5. Fire-fighting measures**

### **Extinguishing media**

<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable Extinguishing Media</b>	CAUTION: Use of water spray when fighting fire may be inefficient.

### **Specific hazards arising from the chemical**

No information available.

**Explosion Data****Sensitivity to Mechanical Impact** None.**Sensitivity to Static Discharge** None.**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**SECTION 6. Accidental release measures****Personal precautions, protective equipment and emergency procedures****For non-emergency personnel** Ensure adequate ventilation.**Other information** No information available.**Environmental precautions**

Do not flush into surface water or sanitary sewer system.

**Methods and material for containment and cleaning up****Methods for containment** Prevent further leakage or spillage if safe to do so.**Methods for cleaning up** Use personal protective equipment. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically and collect in suitable container for disposal. Avoid dust formation. Clean contaminated surface thoroughly.**SECTION 7. Handling and storage****Precautions for safe handling**

Handle in accordance with good industrial hygiene and safety practice.

**Conditions for safe storage, including any incompatibilities****Technical measures/Storage conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.**Packaging material** No information available.**Incompatible products** None known based on information supplied.**SECTION 8. Exposure controls/personal protection****Control parameters****Appropriate engineering controls**

Showers, eyewash stations, and ventilation systems.

**Individual protection measures, such as personal protective equipment**

Personal protective equipment (PPE) needs to be selected depending on the implemented engineering controls, frequency/duration of work activities and the concentrations of the hazardous substance.

**Eye/face protection** Safety glasses with side-shields.**Skin and body protection** Wear protective gloves/clothing.**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be

**Hygiene measures**

provided in accordance with current local regulations.  
Do not eat, drink or smoke when using this product.

## SECTION 9. Physical and chemical properties

**Information on basic physical and chemical properties**

<b>Physical state</b>	Solid	<b>Color</b>	White to off-white
<b>Appearance</b>	Crystalline powder	<b>Odor Threshold</b>	No information available
<b>Odor</b>	No information available		
<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks</u></b>	<b><u>Method</u></b>
pH	No information available		
Melting point/freezing point	301-303 °C		
Initial boiling point and boiling range			
Flash point			
Evaporation rate	No information available		
Flammability (solid, gas)	No information available		
Upper flammability limit	No information available		
Lower flammability limit	No information available		
Vapor pressure	No information available		
Vapor density	No information available		
Relative density	No information available		
Solubility	Practically insoluble		
Solubility in other solvents	8.3	mg/mL in Dimethyl sulfoxide (DMSO) with slight warming; very poorly soluble in Ethanol (EtOH).	
Partition coefficient: n-octanol/water	No information available		
Autoignition temperature	No information available		
Decomposition temperature	No information available		
Viscosity	No information available		
Viscosity, dynamic	No information available		
Explosive properties	No information available		
Oxidizing properties	No information available		
<b><u>Other information</u></b>			
Softening point	No information available		
Molecular Weight	437.52		
VOC content	No information available		
Density	No information available.		
Bulk Density VALUE	No information available.		

## SECTION 10. Stability and reactivity

**Reactivity**

No information available.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

<b>Hazardous reactions</b>	None under normal processing.
<b>Hazardous polymerization</b>	None under normal processing.

**Conditions to Avoid**

No information available.

**Incompatible Materials**

None known based on information supplied.

#### **Hazardous Decomposition Products**

None known based on information supplied.

### **SECTION 11. Toxicological information**

#### **Information on likely routes of exposure**

<b>Inhalation</b>	There is no data available for this product.
<b>Eye contact</b>	There is no data available for this product.
<b>Skin contact</b>	There is no data available for this product.
<b>Ingestion</b>	May cause adverse liver effects.

#### **Information on toxicological effects**

This product is for experimental uses only. The product has not been completely analyzed and all of the hazards may not be known. Please use caution while handling this product.

**Unknown Acute Toxicity** 100% of the mixture consists of ingredient(s) of unknown acute toxicity.

#### **Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Symptoms</b>	Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.
<b>Sensitization</b>	No information available.
<b>Mutagenic effects</b>	Not mutagenic in AMES Test.
<b>Carcinogenicity</b>	No component of this product present at levels greater than or equal to 0.1% is identifiable as probable, possible or confirmed carcinogen by IARC, ACGIH, NTP, or OSHA.
<b>Reproductive toxicity</b>	This material is classified as a Pregnancy Category D: Positive evidence of risk.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	Causes damage to organs through prolonged or repeated exposure if swallowed. May cause disorder and damage to the: Liver.
<b>Target Organ Effects</b>	Liver, Reproductive system, Digestive System.
<b>Neurological effects</b>	No information available.
<b>Aspiration Hazard</b>	No information available.

### **SECTION 12. Ecological information**

#### **Ecotoxicity**

100% of the mixture consists of components of unknown hazards to the aquatic environment.

<b>Persistence and degradability</b>	No information available.
<b>Bioaccumulation</b>	No information available.
<b>Mobility</b>	No information available.

#### **Other adverse effects**

No information available.

### **SECTION 13. Disposal considerations**

#### **Waste Disposal Methods**

Dispose of in accordance with all applicable national environmental laws and regulations.

**Disposal considerations**

Do not empty into drains; dispose of this material and its container in a safe way.

<b>SECTION 14. Transport information</b>
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This material is not subject to regulation as a hazardous material for shipping.

<b>SECTION 15. Regulatory information</b>
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**North American Inventory Listing**

Chemical Name	TSCA 8(b)	TSCA 12(b)	DSL	NDSL
5-[[4-[(2,3-Dimethyl-2H-indazol-6-yl)methylamino]-2-pyrimidinyl]amino]-2-methylbenzolsulfonamide	Not Listed	Not Listed	Not Listed	Not Listed

**Canadian Workplace Hazardous Materials Information System (WHMIS) Classification**

This product does not meet the criteria for classification under the Hazardous Products Act.

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

This product does not contain any substances regulated under applicable state right-to-know regulations

**U.S. FIFRA Label Information**

This product does not contain any substances regulated as pesticides.

**US Commerce Department - Export Administration Regulations Information**

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This product does not contain any substances regulated under the Chemical Weapons Convention (CWC).

**U.S. Drug Enforcement Administration Information**

This product does not contain any substances regulated under the DEA.

<b>SECTION 16. Other information</b>
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**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet