

**Safety Data Sheet (SDS)** According to the REACH Regulation (EC) No. 1907/2006

**Issuing Date:** 2014-10-16

**Revision Date:** 2023-03-21

**Version:** 3

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Product No** 9901  
**Product name** LY294002

### Contains

<b>Chemical name</b>	<b>Index No.</b>	<b>CAS No</b>
2-morpholin-4-yl-8-phenylchromen-4-one (90 - 100%)	Not Listed	154447-36-6

<b>Formula</b>	C <sub>19</sub> H <sub>17</sub> NO <sub>3</sub>
<b>Molecular Weight</b>	307.347 g/mol

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** For research use only

### 1.3. Details of the supplier of the safety data sheet

<b>Importer</b>	<b>Manufacturer</b>
Cell Signaling Technology Europe B.V.	Cell Signaling Technology, Inc.
Dellaertweg 9b	3 Trask Lane
2316 WZ Leiden	Danvers, MA 01923
The Netherlands	United States
TEL: +31 (0)71 7200 200	TEL: +1 978 867 2300
FAX: +31 (0)71 891 0019	FAX: +1 978 867 2400

<b>Website</b>	www.cellsignal.com
<b>E-mail Address</b>	info@cellsignal.eu

### 1.4. Emergency telephone number

**CHEMTREC** 24 hours a day, 7 days a week, 365 days a year  
 +1 703 527 3887 (INTERNATIONAL) +1 800 424 9300 (NORTH AMERICA)

**Europe** 112

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Regulation (EC) No. 1272/2008**

This substance/mixture does not meet the criteria for classification in accordance with Regulation (EC) No. 1272/2008

### 2.2. Label elements

**Signal word**

None.

**Hazard statement(s)**

None.

**Precautionary statement(s)**

None.

**2.3. Other hazards**

No information available.

*For the full text of the H-phrases & EUH-phrases mentioned in this Section, see Section 16***SECTION 3: Composition/information on ingredients****3.1 Substances****Formula** $C_{19}H_{17}NO_3$ **Chemical nature**

Monoconstituent substance

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].

*For the full text of the H-phrases & EUH-phrases mentioned in this Section, see Section 16***SECTION 4: First aid measures****4.1. Description of first aid measures****General advice**

Use first aid treatment according to the nature of the injury. When symptoms persist or in all cases of doubt seek medical advice.

**Inhalation**

Move to fresh air.

**Skin contact**

Wash skin with soap and water.

**Eye contact**

Rinse thoroughly with plenty of water, also under the eyelids.

**Ingestion**

Clean mouth with water and afterwards drink plenty of water.

**4.2. Most important symptoms and effects, both acute and delayed**

No information available.

**4.3. Indication of any immediate medical attention and special treatment needed****Notes to physician**

Treat symptomatically.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media**

No information available.

**5.2. Special hazards arising from the substance or mixture**

Thermal decomposition can lead to release of irritating gases and vapors.

### **5.3. Advice for firefighters**

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment.

## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

<b>For non-emergency personnel</b>	Evacuate personnel to safe areas. Ensure adequate ventilation.
<b>For emergency responders</b>	Use personal protection recommended in Section 8.

### **6.2. Environmental precautions**

Should not be released into the environment. Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained.

### **6.3. Methods and material for containment and cleaning up**

<b>Methods for containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	Take up mechanically, placing in appropriate containers for disposal.

### **6.4. Reference to other sections**

See Sections 8 & 13 for additional information.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

Handle in accordance with good industrial hygiene and safety practice.

### **7.2. Conditions for safe storage, including any incompatibilities**

Keep container tightly closed in a dry and well-ventilated place.

### **7.3. Specific end use(s)**

Use as a laboratory reagent.

## **SECTION 8: Exposure controls/personal protection**

### **8.1. Control parameters**

The product does not contain any hazardous materials with occupational exposure limits established.

### **8.2. Exposure controls**

**Appropriate engineering controls**  
Showers, eyewash stations, and ventilation systems.

**Individual protection measures, such as personal protective equipment**  
**Eye/face protection**                      Safety glasses with side-shields

<b>Skin protection</b>	Wear protective gloves and protective clothing
<b>Hand protection</b>	Impervious gloves.
<b>Other</b>	Wear suitable protective clothing.
<b>Respiratory protection</b>	In case of inadequate ventilation wear respiratory protection.

**Environmental Exposure Controls**

No information available.

## SECTION 9: Physical and chemical properties

**9.1. Information on basic physical and chemical properties**

<b>Physical state</b>	Solid	
<b>Color</b>	White to off-white	
<b>Odor</b>	No information available	
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>
pH	No information available	No information available
Melting point/freezing point	No information available	No information available
Boiling point or initial boiling point and boiling range	No information available	No information available
Flash point	No information available	No information available.
Evaporation rate	No information available	No information available
Flammability	No information available	No information available
Upper/lower flammability or explosive limits	No information available	No information available
Vapor pressure	No information available	No information available
Relative vapor density	No information available	No information available
Density and/or relative density	No information available	No information available
Solubility	Practically insoluble	
Partition coefficient: n-octanol/water	No information available	No information available
Autoignition temperature	No information available	No information available
Decomposition temperature	No information available	No information available.
Viscosity	No information available	No information available
Explosive properties	No information available	No information available
Oxidizing properties	No information available	No information available

**9.2. Other information**

<b>Softening point</b>	No information available
<b>Molecular Weight</b>	307.347 g/mol
<b>Solubility in other solvents</b>	Soluble in dimethyl sulfoxide (DMSO) @ 20 mg/mL
<b>VOC content</b>	No information available
<b>Liquid Density</b>	No information available

## SECTION 10: Stability and reactivity

**10.1. Reactivity**

No information available.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

**Hazardous polymerization  
Hazardous reactions**

Hazardous polymerization does not occur.  
None under normal processing.

**10.4. Conditions to avoid**

None known based on information supplied.

**10.5. Incompatible materials**

No information available.

**10.6. Hazardous decomposition products**

None under normal use conditions.

## SECTION 11: Toxicological information

**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

This material should only be handled by, or under the close supervision of, those properly qualified in the handling and use of potentially hazardous chemicals. It should be borne in mind that the toxicological and physiological properties of this compound is not well defined.

**Unknown Acute Toxicity**

No information available.

**Information on likely routes of exposure****Inhalation**

There is no data available for this product.

**Eye contact**

There is no data available for this product.

**Skin contact**

There is no data available for this product.

**Ingestion**

There is no data available for this product.

**Symptoms**

No information available.

**Skin corrosion/irritation**

No information available.

**Serious eye damage/eye irritation**

No information available.

**Sensitization**

No information available.

**Mutagenic effects**

No information available.

**Carcinogenic effects**

No information available.

**Reproductive toxicity**

No information available.

**STOT - single exposure**

No information available.

**STOT - repeated exposure**

No information available.

**Aspiration Hazard**

No information available.

**11.2. Information on other hazards**

No information available.

## SECTION 12: Ecological information

**12.1. Toxicity**

No information available.

**12.2. Persistence and degradability**

No information available

### **12.3. Bioaccumulative potential**

**Bioaccumulation** No information available.

**Bioconcentration factor (BCF)** No information available.

### **12.4. Mobility in soil**

No information available.

### **12.5. Results of PBT and vPvB assessment**

No information available.

### **12.6. Endocrine disrupting properties**

This product does not contain any known or suspected endocrine disruptors

### **12.7. Other adverse effects**

No information available

## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations.
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal.
<b>Other information</b>	Waste codes should be assigned by the user based on the application for which the product was used.

## **SECTION 14: Transport information**

### **IMDG/IMO**

<b>14.1 UN number</b>	Not regulated
<b>14.2 UN proper shipping name</b>	Not regulated
<b>14.3 Transport hazard class(es)</b>	Not regulated
<b>14.4 Packing group</b>	Not regulated
<b>14.5 Environmental hazards</b>	None
<b>14.6 Special precautions for user</b>	None
<b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not regulated

### **ADR/RID**

<b>14.1 UN number</b>	Not regulated
<b>14.2 UN proper shipping name</b>	Not regulated
<b>14.3 Transport hazard class(es)</b>	Not regulated
<b>14.4 Packing group</b>	Not regulated
<b>14.5 Environmental hazards</b>	None
<b>14.6 Special precautions for user</b>	None

### **IATA**

<b>14.1 UN number</b>	Not regulated
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14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	None
14.6 Special precautions for user	None

## SECTION 15: Regulatory information

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

#### Candidate List of Substances of Very High Concern for Authorization Information

This product does not contain Substances of Very High Concern (SVHC).

#### SEVESO Directive Information

This product does not contain substances identified in the SEVESO Directive.

#### International inventories

TSCA 8(b)	-
DSL/NDL	-
EINECS/ELINCS	-
ENCS	-
IECSC	Complies
KECL	-
PICCS	-
AICS	-

#### International inventories legend

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

### 15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out

## SECTION 16: Other information

### Full text of H-Statements referred to under Sections 2 and 3

This substance/mixture does not meet the criteria for classification in accordance with Regulation (EC) No. 1272/2008

**Classification procedure:** Expert judgment and weight of evidence determination.

**Issuing Date:** 2014-10-16

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#### Disclaimer

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