

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name PD184352
Product Number 12147
CAS 212631-79-3
Identified Uses For Research Use Only (RUO). Not intended for use in humans or animals. Not intended for therapeutic or diagnostic procedures.

Manufacturer/Supplier Cell Signaling Technology, Inc.
 3 Trask Lane
 Danvers, MA 01923 USA
Phone #: 1-978-867-2300
Emergency Tel# 1-978-578-6737

2. HAZARDS IDENTIFICATION
Emergency Overview

OSHA Hazards
 No known OSHA hazards

GHS Classification
 Not a dangerous substance according to GHS

Physical State
 Solid.

3. COMPOSITION/INFORMATION ON INGREDIENTS
Hazardous Ingredients

Please see the individual material safety data sheets which can be found on the CST website www.cellsignal.com/support/msds.html for hazard communication information specific to individual kit components contained in this product.

Chemical Name	CAS No.	Concentration
PD184352	212631-79-3	-

Synonym: 2-(2-chloro-4-iodoanilino)-N-(cyclopropylmethoxy)-3,4-difluorobenzamide
Formula: C₁₇H₁₄ClF₂IN₂O₂
Molecular Weight: 478.66 g/mol

4. FIRST AID MEASURES

Eye Contact Rinse immediately with plenty of water. Get medical attention.
Skin Contact Rinse immediately with soap and plenty of water. Get medical attention.
Inhalation Move to fresh air. Get medical attention.
Ingestion Call Poison Control Center immediately. Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention.
Notes to physician Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flash Point See Section 9. Physical and Chemical Properties
Suitable Extinguishing Media Use dry chemical
Special exposure hazards No data available
Special protection for fire fighters Wear appropriate self-contained breathing apparatus and protective unit
Other information No data available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Do not touch or walk through spilled material. Wear personal protective equipment
Environmental precautions	Do not let product enter drains.
Clean up methods	Soak up with absorbent material. Keep in suitable closed containers for disposal.
Other information	See sections 12 and 13 for additional information.

7. HANDLING AND STORAGE

Safe handling advice	Avoid contact with eyes and skin. Avoid formation of dust and aerosols. Ensure adequate ventilation.
Storage condition	Keep container tightly closed in a cool dry location. Recommended storage temperature* -20C.
Incompatibilities	No data available
Specific end uses	No data available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Controls

Apply technical measures to comply with the occupational exposure limits.

Engineering Controls

Emergency eyewash and safety shower. Mechanical exhaust required.

Hygiene Measures

Do not eat, drink or smoke when handling product. Wash hands thoroughly after handling product. Wash contaminated clothing before reuse.

Personal Protective Equipment

Respiratory Protection:	In case of insufficient ventilation wear suitable respiratory equipment.
Eye Protection:	Safety glasses with side shields
Skin and body protection:	Wear suitable protective clothing, protective shoes or boots.
Hand protection:	Compatible chemical resistant gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	crystalline solid
Color	white to off-white
Odor	none
pH	no data available
Water Solubility	very poorly soluble in water; maximum solubility in plain water is estimated to be about 5-10 µM; buffers, serum, or other additives may increase or decrease the aqueous solubility
Melting point range	167-180°C
Boiling point	no data available
Evaporation rate	no data available
Flammability	no data available
Flash point	no data available
Autoignition temperature	no data available
Flammability limits in air	no data available
Explosive properties	no data available
VOC content	no data available
Decomposition temperature	no data available
Organic solvents:	soluble in DMSO at 50 mg/mL; soluble in ethanol at 8.3 mg/mL

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions
Conditions/Materials to avoid	No data available
Hazardous decomposition products	No data available

11. TOXICOLOGICAL INFORMATION

To the best of our knowledge, the chemical, physical and toxicological properties have not been fully investigated.

Acute Toxicity

LD50 – Oral 5000 mg/kg (mouse)

LD50 – Oral 5000 mg/kg (rat)

Potential Health Effects
Acute Toxicity

Eyes	May causes serious eye irritation.
Skin	May be harmful if absorbed through skin. May cause skin irritation
Inhalation	May be harmful if inhaled. May cause respiratory tract irritation
Ingestion	May be harmful if swallowed.

Chronic Effects

Carcinogenic effects	No known significant effects or critical hazards.
Mutagenic effects	No known significant effects or critical hazards.
Teratogenic effects	No known significant effects or critical hazards.
Reproductive toxicity	No known significant effects or critical hazards.

RTECS: None

12. ECOLOGICAL INFORMATION

Ecotoxicity No data available

Persistence and degradability No data available

Bioaccumulation No data available

Mobility No data available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Dispose of in accordance with all applicable environmental laws and regulations.

14. TRANSPORT INFORMATION

IATA Not regulated as dangerous goods

DOT Not regulated as dangerous goods

MEX Not regulated as dangerous goods

15. REGULATORY INFORMATION

OSHA Hazards

No known OSHA hazards

GHS Classification

None

International Inventories

TSCA (8a) PAIR	-
EINECS/ELINCS	-
ENCS	-
IECSC	-
KECL	-

PICCS -
AICS -
NZloC -

U.S. Federal Regulations

SARA 302/304/311/312 hazardous chemicals: See individual kit component MSDS documents.

SARA 311/312 MSDS Distribution: See individual kit component MSDS documents.

U.S. State Regulations See individual kit component MSDS documents.

Massachusetts Right-to-Know	No components are listed.
Pennsylvania Right-to-Know	No components are listed.
New Jersey Right-to-Know	No components are listed.

California Prop 65 Components

This product does not contain any chemicals known to the State of California to cause cancer, birth defects or any other reproductive harm.

16. OTHER INFORMATION

Revision date 2012-12-20

Disclaimer

The information provided on this material safety data sheet is to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of Material Safety Data Sheet