

SAFETY DATA SHEET

Conforms to Regulation (EC) No. 453/2010 (REACH), Annex II, as amended by Regulation (EU) No. 2015/830

Name: N-((2-(tert-butylamino)-4-cyano-3,6-difluorophenyl) carbamothioyl)-3,3-dimethylbutanamide (DBD6)

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
1.1 Product Identifier

Name of the product : N-((2-(tert-butylamino)-4-cyano-3,6-difluorophenyl) carbamothioyl)-3,3-dimethylbutanamide (DBD6)

Synonyms : No data available

CAS No. : No data available

EC No. : No data available

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

Recommended use : Laboratory chemicals, Not for food, drug, pesticide or biocidal product use

1.3 Details of the supplier of the safety data sheet

Manufacturer : Escientia Biopharma Private Limited,
Plot No. DS-14, Sy.No. 542/2, IKP Knowledge Park, Kolthur(V),
Shameerpet(M), Medchal(D), Telangana-500078, INDIA.
Phone No. +91-40-68139000/9001

1.4 Emergency Telephone No. (24h/7d)

Emergency contact no. : +91-40-68139000/9001

2. HAZARDS IDENTIFICATION
2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

No data available

2.2 Label Elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]



Pictogram : 

Signal Word : Caution

Hazard Statement(s) :

H335 : May cause respiratory irritation

Precautionary Statement(s) :

P202 : Do not handle until all safety precautions have been read and understood.

P260 : Do not breathe dust.

P280 : Wear protective gloves/ protective clothing/ eye protection/ face protection.

P305 + P351 + P338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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Supplemental Hazard Statements: No data available.

3. COMPOSITION / INFORMATION ON INGREDIENTS
3.1 Substances

Product/ Ingredient name	CAS No.	EC No.	Percentage (%)
N-((2-(tert-butylamino)-4-cyano-3,6-difluorophenyl) carbamothioyl)-3,3-dimethylbutanamide (DBD6)	No data available	No data available	98.1

3.2. Mixtures

Not a mixture.

4. FIRST AID MEASURES
4.1. Description of first aid measures:
Eye contact

Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Skin contact

Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Ingestion

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Inhalation

Remove the inhaled person from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

4.3. Indication of any immediate medical attention and special treatment needed.

No data available.

5. FIRE FIGHTING MEASURES
5.1. Extinguishing Media
Suitable Extinguishing Media

Dry chemical, or carbon dioxide.

5.2. Special hazards arising from the substance or mixture.

No data available

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5.3. Advice for firefighters

Wear self-contained breathing apparatus, Fire proximate suit for firefighting.

6. ACCIDENTAL RELEASE MEASURES
6.1. Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in enough concentration. Use only non-sparking tools. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of dust from the spilled material. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

6.2. Environmental precautions

Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and materials for containment and cleaning up.

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material.

Large Spills: Collect spillage. If sweeping of a contaminated area is necessary, use a dust suppressant agent which does not react with the product. Sweep up or vacuum up spillage and collect in suitable container for disposal. Collect dust using a vacuum cleaner equipped with HEPA filter. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Minimize dust generation and accumulation. Large Spills: Wet down with water and dike for later disposal. Prevent product from entering drains. Following product recovery, flush area with water

6.4 Reference to other sections

For waste disposal, see section 13 of the SDS.

7. HANDLING AND STORAGE
7.1. Precautions for safe handling

Eliminate all sources of ignition. Combustible dust clouds may be created where operations produce fine material (dust). Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions.

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Handling and processing operations should be conducted in accordance with 'best practices' (e.g. NFPA-654). Avoid contact with skin. Avoid contact with eyes. Avoid contact with clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Avoid release to the environment. Do not empty into drains.

7.2. Conditions for safe storage, including any incompatibilities.

Store the material at 25°C with excursions allowed between 15°C-30°C. Keep container tightly closed in a dry and well-ventilated place.

7.3. Specific end use(s)

See section 1: use of the substance/ preparation.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION
8.1. Control Parameters
Occupational Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
N-((2-(tert-butylamino)-4-cyano-3,6-difluorophenyl) carbamothioyl)-3,3-dimethylbutanamide (DBD6)	--	--	--

8.2. Exposure Controls
Appropriate Engineering Controls.

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Eye wash facilities and emergency shower must be available when handling this product.

Personal Protective Equipment
Eye Protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin Protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

Respiratory Protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the

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respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

General Hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9 - PHYSICAL AND CHEMICAL PROPERTIES
9.1. Information on basic physical and chemical properties

Physical State	: Solid
Appearance	: Pale yellow solid
Odor	: No data available
pH	: No data available
Vapor Pressure	: No data available
Vapor Density	: No data available
Evaporation Rate	: No data available
Viscosity	: No data available
Boiling Point	: No data available
Freezing/Melting Point	: 140.2°C – 154.6°C
Auto ignition Temperature	: No data available
Flash Point	: No data available
Decomposition Temperature	: No data available
NFPA Rating	: No data available
Explosive Limits	: No data available
Solubility	: Methanol
Specific Gravity/Density	: No data available
Molecular Formula	: C ₁₈ H ₂₄ F ₂ N ₄ OS
Molecular Weight	: 382.47 g/mol

9.2. Other information

Pmax	: No data available
Kst	: No data available
Limiting oxygen concentration (LOC)	: No data available
Minimum explosible concentration (MEC)	: No data available
Minimum ignition energy (MIE) – dust cloud	: No data available

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10. STABILITY AND REACTIVITY
10.1 Reactivity

No data available.

10.2. Chemical Stability

The product is stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to Avoid

No data available.

10.5. Incompatible Materials

No data available

10.6. Hazardous Decomposition Products

No data available

In the event of fire: see section 5.

11 - TOXICOLOGICAL INFORMATION

Toxicology studies for this product have not been fully conducted

11.1. Information on toxicological effects
Acute toxicity

No data available

Inhalation: No data available.

Potential Health Effects
Eye Contact : No data available.

Skin Contact : No data available.

Inhalation : No data available.

Ingestion : No data available.

Target Organs : No data available.

Chronic Exposure: No data available.

Signs and symptoms of overexposure

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

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Reproductive toxicity

No data available.

Specific target organ toxicity – single exposure

No data available.

Specific target organ toxicity – repeated exposure

No data available

Aspiration hazard

No data available

12 - ECOLOGICAL INFORMATION
12.1 Toxicity
Environmental fate

No data available

12.2. Persistence and degradability

No data available

12.3. Bio accumulative potential

No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

No data available.

13. DISPOSAL CONSIDERATIONS
13.1 Waste treatment methods
Disposal instructions

Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazardous waste code

The waste code should be assigned in discussion between the user, the producer, and the waste disposal company.

Waste from residues / unused products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions)

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Abbreviation:

ACGIH-American Conference of Industrial Hygienists

NIOSH-The National Institute for Occupational Safety and Health

OSHA-Occupational Safety and Health Administration

LD-Lethal dose

LC-Lethal Concentration

PEL-permissible Exposure Limit

CAS- Chemical Abstract Service

NFPA –National Fire Protection Association

