

SAFETY DATA SHEET

4-DMA-7,8-DHF

Section 1: Identification

Product name: 4-DMA-7,8-DHF

Chemical name: 4'-Dimethylamino-7,8-dihydroxyflavone

CAS number: 1205548-04-4

Molecular formula: C₁₇H₁₅NO₄

Molecular weight: 297.31 g/mol

Recommended use: Laboratory research use only

Uses advised against:

Not for food, drug, cosmetic or household use.

Section 2: Hazard(s) identification

This substance has not been fully evaluated for hazard classification according to Regulation (EC) No. 1272/2008 (CLP).

Signal word: None assigned

Hazard statements:

Not classified based on available data.

Precautionary statements

P261 Avoid breathing dust

P264 Wash hands thoroughly after handling

P270 Do not eat, drink or smoke when using this product

P280 Wear protective gloves, protective clothing and eye protection

Section 3: Composition / information on ingredients

Substance: 4'-Dimethylamino-7,8-dihydroxyflavone

CAS number: 1205548-04-4

Molecular formula: C₁₇H₁₅NO₄

Molecular weight: 297.31 g/mol

The product is supplied as a single substance for laboratory use.

Section 4: First aid measures

General advice

Seek medical attention if symptoms occur.

Inhalation

Move person to fresh air. If irritation or discomfort occurs, seek medical attention.

Skin contact

Wash with soap and water. Remove contaminated clothing.

Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do.

Ingestion

Rinse mouth with water. Do not induce vomiting unless directed by medical personnel.

Section 5: Fire-fighting measures

Suitable extinguishing media

Water spray, dry chemical, foam or carbon dioxide.

Hazardous combustion products

Carbon oxides, nitrogen oxides and other irritating fumes may form during combustion.

Advice for firefighters

Wear self-contained breathing apparatus and protective clothing.

Section 6: Accidental release measures

Personal precautions

Ensure adequate ventilation. Avoid dust formation. Wear appropriate protective equipment.

Environmental precautions

Prevent release into drains or the environment.

Methods for cleaning up

Collect spilled material carefully and place in a suitable container for disposal.

Section 7: Handling and storage**Handling**

Handle in accordance with good laboratory safety practices. Avoid contact with skin and eyes. Avoid breathing dust.

Storage

Store in a tightly sealed container in a cool, dry and well-ventilated area. Protect from heat, moisture and direct sunlight.

Section 8: Exposure controls / personal protection**Engineering controls**

Use adequate ventilation or chemical fume hood.

Eye protection

Safety glasses or chemical safety goggles.

Hand protection

Protective gloves.

Skin protection

Laboratory coat or suitable protective clothing.

Respiratory protection

Use respiratory protection if dust exposure is possible.

Hygiene measures

Wash hands thoroughly after handling.

Section 9: Physical and chemical properties

Appearance: Powder

Color: Yellow

Odor: No data available

Melting point: No reliable data available

Boiling point: No data available

Solubility: Soluble in organic solvents such as DMSO and ethanol

Section 10: Stability and reactivity

Chemical stability

Stable under recommended storage conditions.

Conditions to avoid

Heat, moisture, direct sunlight.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

Carbon oxides and nitrogen oxides.

Section 11: Toxicological information

No comprehensive toxicological data available.

Handle as a substance with incomplete toxicological characterization.

Section 12: Ecological information

No specific ecological data available.

Avoid uncontrolled release to the environment.

Section 13: Disposal considerations

Dispose of contents and container in accordance with local, regional and national regulations.

Handle as laboratory chemical waste.

Section 14: Transport information

Not classified as dangerous goods for transport under ADR / IMDG / IATA regulations.

Section 15: Regulatory information

This substance is supplied for laboratory research purposes only.

Section 16: Other information

The information provided in this Safety Data Sheet is based on available chemical data and is intended for laboratory use and handling guidance.