

# MATERIAL SAFETY DATA SHEET

## 1. Chemical product and company identification

**Name:** 1,2,3,4-Tetra-O-benzoyl-D-glucuronic Acid Methyl Ester

**CAS#:** 201789-32-4

**Catalog Number:** BY-C013

**Company Identification:**

Nanjing Raise Pharmatech Co., Ltd.

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## 2. Hazards identification

**Classification of the substance or mixture:** Not a hazardous substance or mixture.

**GHS Label elements, including precautionary statements:** Not a hazardous substance or mixture.

**Hazards not otherwise classified (HNOC) or not covered by GHS:** none

## 3. Composition, information on ingredients

**Synonyms:**

(3R,4R,5R,6R)-3-Acetamido-6-(acetoxymethyl)tetrahydro-2H-pyran-2,4,5-triyl triacetate

**Molecular Formula:** C<sub>35</sub>H<sub>28</sub>O<sub>11</sub>

**Molecular Weight:** 624.60 g/mol

CAS	Description	Purity
201789-32-4	1,2,3,4-Tetra-O-benzoyl-D-glucuronic Acid Methyl Ester	NLT98%

## 4. First aid measures

**Eyes:** Flush eyes with plenty of water occasionally lifting the upper and lower lids. Get medical aid.

**Skin:** Get medical aid. Flush skin with plenty of water while removing contaminated clothing and shoes.

**Ingestion:** Get medical aid. Wash mouth out with water.

**Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

## 5. Fire fighting measures

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressuredemand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

**Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.

**Flash Point:** Not applicable.

**Autoignition Temperature:** Not applicable.

**Explosion Limits, Lower:** Not available.

**Upper:** Not available.

**NFPA Rating:** (estimated) Health: 1; Flammability: 0; Instability: 0

## 6. Accidental release measures

**General Information:** Use proper personal protective equipment.

**Spills/Leaks:** Vacuum or sweep up material and place into suitable disposal container.

Avoid generating dusty conditions.

**Environmental precautions:** Do not let product enter drains.

## 7. Handling and storage

**Handling:** Avoid breathing dust, vapor, mist or gas. Avoid contact with eyes, skin.

**Storage:** Storage temperature: 0-4 °C and Keep container tightly closed in a dry and well-ventilated place.

## 8. Exposure controls, personal protection

**Engineering Controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

### Personal Protective Equipment

**Eyes:** Wear chemical safety goggles.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** Wear appropriate respirators where necessary

## 9. Physical and chemical properties

Appearance	White solid
Boiling Point	No data available.
Melting Point	No data available
Solubility in Water	Insoluble
Vapor Pressure	No data available.
Density	No data available.

## 10. Stability and reactivity

**Chemical Stability:** Stable under recommended storage conditions.

**Conditions to Avoid:** Incompatible materials, dust generation, excess heat.

**Incompatibilities with Other Materials:** Strong oxidizing agents.

**Hazardous Decomposition Products:** Nitrogen oxides, carbon monoxide, carbon

monoxide, carbon dioxide, chloride fumes.

**Hazardous Polymerization:** Has not been reported.

## 11. Toxicological information

**Acute toxicity No data available Inhalation:** No data available

**Dermal:** No data available

**Skin corrosion/irritation:** No data available

**Serious eye damage/eye irritation:** No data available

**Respiratory or skin sensitisation:** No data available

**Germ cell mutagenicity:** No data available

**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

**Additional Information RTECS:** Not available

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

## 12. Ecological information

**Toxicity:** No data available

**Persistence and degradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**Results of PBT and vPvB assessment:** PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**Other adverse effects:** No data available

## 13. Disposal considerations

**Waste treatment methods:**

**Product:** Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging:** Dispose of as unused product

## 14. Transport information

**DOT (US):** Not dangerous goods

**IMDG:** Not dangerous goods

**IATA:** Not dangerous goods

## 15. Regulatory information

European Inventory of Existing Commercial Chemical Substances (EINECS) Not listed

EC Inventory Not listed

United States Toxic Substances Control Act (TSCA) Inventory Not listed

China Catalog of Hazardous chemicals 2015 Not listed

Philippines Inventory of Chemicals and Chemical Substances (PICCS) Not listed



Vietnam National Chemical Inventory Not listed

Chinese Chemical Inventory of Existing Chemical Substances (China IECSC) Not listed

## 16. Additional information

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

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