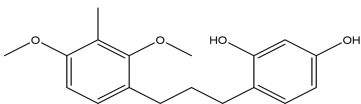
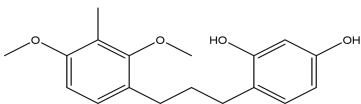


## Product Details

|                    |                                                                                    |
|--------------------|------------------------------------------------------------------------------------|
| Product Name       | UP302                                                                              |
| Chemical Name      | Dimethoxytolyl-4-propylresorcinol                                                  |
| INCI Name          | DIMETHOXYTOLYL PROPYLRESORCINOL                                                    |
| CAS Number         | 869743-37-3                                                                        |
| EINECS Number      | None                                                                               |
| Molecular Weight   | 302.36                                                                             |
| Molecular Formula  | C <sub>18</sub> H <sub>22</sub> O <sub>4</sub>                                     |
| Structural Formula |  |



## Characteristics

Dimethoxytolyl-4-propylresorcinol is a vital functional raw material applied in cosmetics and personal care industry, whose performance is mainly derived from its potent tyrosinase inhibitory activity, moderate lipophilicity, excellent chemical stability and mild & safe profile.

## Technical Specifications

| No. | Test Item                              | Specification            |     |
|-----|----------------------------------------|--------------------------|-----|
|     |                                        | LSL                      | USL |
| 1.  | Appearance                             | Powder                   |     |
| 2.  | Odor                                   | Practically odorless     |     |
| 3.  | Vapor Pressure                         | 0.0±1.2 mmHg at 25°C     |     |
| 4.  | Visual Color                           | Off-white to light brown |     |
| 5.  | pH Value (1% aqueous dispersion, 25°C) | 4.5-5.5                  |     |
| 6.  | Melting Point Range, °C                | 104-108°C                |     |

## Applications

- Serves as a high-performance brightening, spot-fading and skin brightening active ingredient in cosmetic formulations
- Incorporated into premium skincare products to ameliorate hyperpigmentation, acne marks and dull complexion
- Compatible for compound formulation with various brightening actives

## Product Efficacy

- Potent tyrosinase inhibition with remarkable skin brightening efficacy
- Moderate lipophilicity enables favorable transdermal penetration for effective skin action
- Superior chemical stability
- Gentle on skin with low irritation potential
- High biocompatibility & safety profile
- Excellent compatibility for blending with multiple brightening active substances

**Packaging:** Available packing sizes: 25kg and 200kg. Packaging material: Aluminum foil bag inside fiber drum / Light-proof HDPE drum (hermetically sealed, light-shielding and moisture-proof).

## Handling & Storage

**Handling Requirements:** Process dimethoxytolyl-4-propylresorcinol in well-ventilated environments; fume hoods or exhaust fans are recommended to evacuate volatile vapors, reduce airborne concentration and prevent inhalation exposure. Ample space and continuous air circulation shall be guaranteed for bulk indoor processing operations.

**Storage Requirements:** Store in cool, well-ventilated warehouse with ambient temperature not exceeding 25°C. Keep away from ignition sources and heat supplies to avoid elevated vapor concentration induced by heating which may lead to potential hazards. Maintain dry storage conditions to prevent rust and corrosion of packaging that would impair product quality.