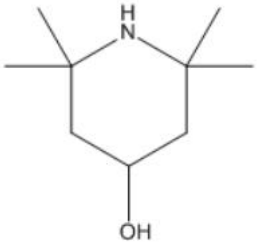
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2,2,6,6-Tetramethyl-4-Piperidinol (TMP)

TMP serves as an intermediate for hindered amine photostabilizers, a key pharmaceutical intermediate, and a polymerization inhibitor intermediate; it can also be used directly to provide anti-aging properties for resins.

1. Product physicochemical properties

1.1 Product basic information

Project	Content
Chemical name	2,2,6,6-Tetramethyl-4-Piperidinol
CAS number	2403-88-5
Molecular structure	
Formula weight	157.25

1.2 Technical parameter

Test item	Parameter
Appearance	White Crystal or Powder
Melting range ℃	127-132
Ash content %	≤0.1
Transmittance,% at 425 nm	≥98.5
Transmittance,% at 500 nm	≥99.0

Test item	Parameter
APHA	≤10
Content %	≥99.0

1.3 Solubility (20 °C, g/100 mL solvent)

Solvent	Solubility
Methanol	10.0g
Pure water	13.0g

2. Operation and safety

1. This product is a general-purpose plastic additive; it can be handled in accordance with standard chemical raw material operating procedures.

2. Avoid generating large amounts of dust; ensure the workshop is well-ventilated and kept away from open flames and high-temperature heat sources;

3. Personal protection: Wear a dust-proof mask and nitrile protective gloves;

4. For complete information on first aid, leakage, storage, and transportation, and hazards, please refer to the accompanying safety data sheet (SDS).

3. Storage and transportation

1. Store in a cool, dry, and well-ventilated warehouse; avoid direct sunlight, exposure to rain, and moisture.

2. Store separately from strong oxidizing agents, strong acids, and strong alkalis;

3. The original factory-sealed product has a shelf life of 12 months at room temperature; once opened, it should be used as soon as possible to prevent moisture absorption and clumping.