



1,4-CYCLOHEXANEDIONE

CAS No: 637-88-7

CHEMICAL IDENTIFICATION

Molecular Formula	$C_6H_8O_2$	Product Category	Frovatriptan Intermediate
Molecular Weight	112.13 g/mol	Quality Standard	GMP / In-House Specifications

PRODUCT SPECIFICATIONS

Test Parameter	Specification Limit	Analytical Method
Appearance / Color	White to Light Yellow Crystalline Powder	Visual Inspection
Purity (GC)	$\geq 98.0\%$	Chromatographic (HPLC/GC)
Melting Point / Range	77.0°C – 81.0°C	Capillary Melting Method
Loss on Drying (LOD)	$\leq 0.50\%$	Karl Fischer / Oven Drying
Residue on Ignition / Ash	$\leq 0.10\%$	Muffle Furnace (Gravimetric)
Heavy Metals	≤ 10 ppm	ICP-OES / Limit Test

COMMERCIAL & SYNTHESIS APPLICATIONS

A critical cyclic building block used in the synthesis of the migraine medication Frovatriptan. Also employed as a central intermediate for conductive polymers, specialized agricultural chemicals, and liquid crystal compounds.

PACKAGING, STORAGE & HANDLING

Packaging: 25 Kg fiber drum with double polyethylene inner liners.

Storage: Store below 30°C in a dry warehouse. Protect from light and humidity to prevent polymerisation.

Handling: Wear appropriate PPE (safety goggles, gloves). Avoid generating or breathing dust. Wash thoroughly after handling.

QUALITY ASSURANCE & DISCLAIMER

Kalpsthana Life Care Products Pvt. Ltd. certifies that all pharmaceutical intermediates are manufactured, analyzed, and packaged under rigid quality compliance systems. Dispatch shipments are accompanied by batch-specific Certificates of Analysis (COA).

Disclaimer: The technical guidelines in this datasheet are accurate based on our internal findings at publication. It is provided for informational and safety guidance only. Customers must perform their own analytical and process testing to verify suitability of the material for their target formulations and reactions.