



4-HYDROXYCARBAZOLE

CAS No: 52602-39-8

CHEMICAL IDENTIFICATION

Molecular Formula	$C_{12}H_9NO$	Product Category	Carvedilol Intermediate (KSM)
Molecular Weight	183.21 g/mol	Quality Standard	GMP / In-House Specifications

PRODUCT SPECIFICATIONS

Test Parameter	Specification Limit	Analytical Method
Appearance / Color	White to Light Brown Powder	Visual Inspection
Purity (HPLC)	$\geq 99.0\%$	Chromatographic (HPLC/GC)
Melting Point / Range	165.0°C – 168.0°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

Primary key starting material (KSM) for the synthesis of Carvedilol API. Manufactured with strict control over organic impurities to ensure compliance with downstream regulatory limits.

PACKAGING, STORAGE & HANDLING

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

Storage: Store below 30°C in a cool, dry place. Keep container tightly closed and shielded from light.

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

QUALITY ASSURANCE & DISCLAIMER

Kalpasthana 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.