



KALPASTHANA LIFE CARE PRODUCTS PVT. LTD.

Regd. Office: Plot No. 92P & 93, KIADB Industrial Area, Humnabad, Bidar District, Karnataka - 585330, India.

Email: info@kalpasthanalifecareproducts.com | Website: www.kalpasthanalifecareproducts.com

TECHNICAL DATA SHEET

9-Methyl Carbazolone (Ondansetron Related Compound C)

CAS No: 27387-31-1

PRODUCT DESCRIPTION

A high-purity pharmaceutical intermediate (commonly referred to as 9-Methyl-1,2,3,9-tetrahydro-4H-carbazol-4-one or 9-methyl-carbazol-4-one) used as a key starting material (KSM) for Ondansetron synthesis. This modified carbazole derivative is essential for the production of Ondansetron, a highly effective anti-emetic drug. Kalpasthana Life Care Products ensures rigorous quality control and high purity to support efficient API manufacturing.

SPECIFICATIONS

Product Name	9-Methyl-1,2,3,9-tetrahydro-4H-carbazol-4-one
Synonyms / Abbreviations	9-Methyl-1,2,3,9-tetrahydro-4H-carbazol-4-one, Ondansetron Related Compound C, 9-Methylcarbazolone
CAS Number	27387-31-1
Molecular Formula	C ₁₃ H ₁₃ NO
Molecular Weight	199.25 g/mol
Appearance	White to Off-white Crystalline Powder
Purity (HPLC)	≥ 99.0%
Melting Point	88°C - 92°C

APPLICATIONS & USAGE

9-Methyl Carbazolone (9-Methyl-1,2,3,9-tetrahydro-4H-carbazol-4-one) is the critical key starting material (KSM) for the industrial synthesis of Ondansetron (Zofran), the gold standard anti-emetic therapy for chemotherapy and post-operative nausea. It is also utilized as a pharmaceutical scaffold in developing novel anti-tumor agents, CNS-active drugs, and high-performance optoelectronic carbazole derivatives.

- Ondansetron API KSM: Direct precursor which undergoes Mannich reaction and subsequent imidazole coupling to yield Ondansetron API.
- Advanced CNS Therapeutics: Serves as a key carbazole framework in research targeting neuroprotective and anti-psychotic drug development.
- High Thermal Stability: Specifically synthesized for stable long-term storage and high chemical yields in downstream manufacturing processes.

DISCLAIMER & SAFETY

Disclaimer: The information contained in this Technical Data Sheet is accurate to the best of our knowledge. It is provided for informational purposes only. The user assumes all risk and liability for the product's use in manufacturing or commercial applications. Products are intended for industrial manufacturing and laboratory research purposes only. Please refer to the Material Safety Data Sheet (MSDS) for detailed safety, handling, storage, and disposal guidelines.