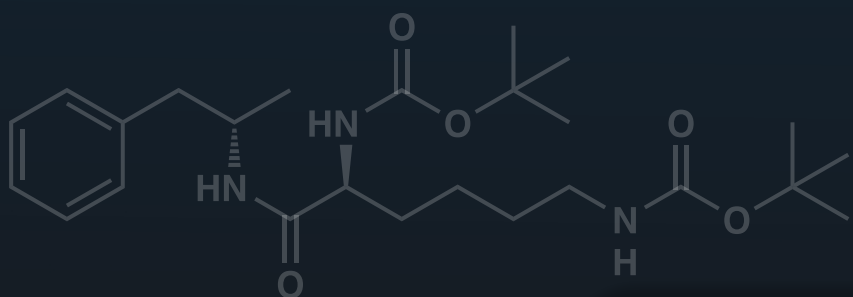




Certified Pharmaceutical  
Reference Standards

# Controlled Substance Pharmaceutical Reference Standards for analytical testing



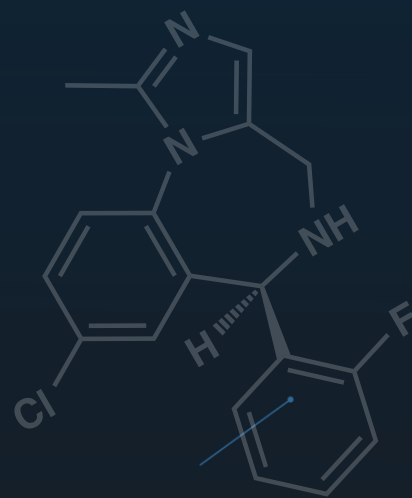
# About SynZel

SynZel is a research-driven company providing full technical support for synthesis, analytical and medicinal chemistry. We are committed to the delivery of high-quality pharmaceutical reference standard for impurities, process impurities, degradants, metabolites, drug glucuronides, stable isotope products & nitrosamines. We provide services to pharmaceutical companies at various stages of product development.

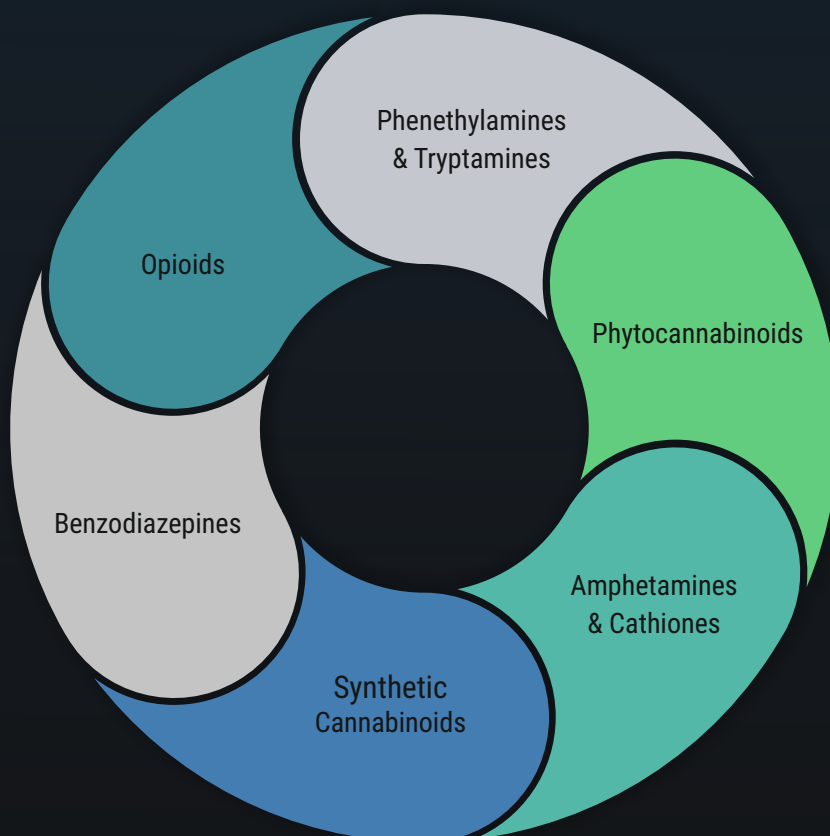
SynZel offers impurity reference standards for controlled substance of narcotics, depressants, stimulants, hallucinogens, and anabolic steroids.

## Controlled Substance Offering

- Dedicated controlled substance vault
- Secured storage with state-of-the-art security and monitoring features
- Procedural clarity for export licenses
- License to possess controlled substances API purchased
- Defined delivery time, including no objection declaration from custom



## SynZel Products



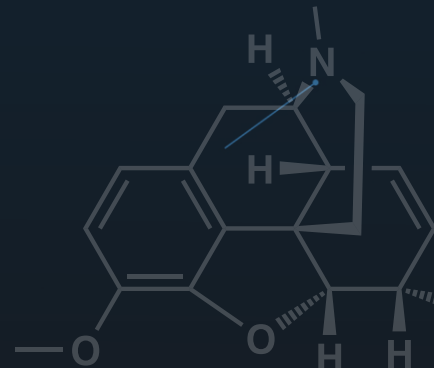
# Procurement Procedure



Delivery time of controlled reference material requires the careful navigation of governmental agencies of both, the country of origin and country of import. Several processes are in place to document the transfer of goods and additional steps are needed if the compound is considered as an internationally controlled substance.

## Pre-Requisites

- 1) Valid Purchase Order with extended validity
- 2) Valid Import Permit allowing Process of export permit & dispatch
- 3) Declaration stating reference standard end use
- 4) Export authorization would be for Purchase order / Quantity / Pack Size



**SynZeal**  
 Analysis Date: 15/09/2022  
**CERTIFICATE OF ANALYSIS**  
 (Certificate No. SZ-K00701Z-1701-1)  
 Ex. Test Date: 12/09/2024

**Identification**  
 Chemical Name: N-(1-(2-Chlorophenyl)-2-oxocyclohexyl)-N-methylnitroso amide  
 CAT No.: SZ-K007012  
 CAS No.: 86144-35-6  
 Molecular Formula: C<sub>13</sub>H<sub>17</sub>ClN<sub>2</sub>O<sub>2</sub>  
 Molecular Weight: 266.7

**Analytical Information**  
 Batch Code: SRI-1023-112  
 Solubility: ACN:H<sub>2</sub>O (1:1)  
 Appearance of product: Light Yellow Solid  
 Long Term Storage: 2-8 °C for long term storage  
 Weight Loss By TGA: 0.15 %  
 Residue On Ignition: 0.00 %  
 Chiral Purity: 100.00 %

**Additional Information**  
 % Purity - 1100 - 0.15 (Wt loss by TGA) - 0.00 (Res) | X (100.00 (HPLC Purity)) | 100 - 99.85 %  
 Chiral Purity - 8 Isomer (47.85 %) + 8 Isomer (52.15 %) - 100.00 %  
 Elemental Analysis (Theoretical)  
 Elemental Analysis (Practical)  
 Recommendation

**Test Results**  
 HPLC Purity: 99.85 % Confirm  
 Mass: Confirm  
 IR Analysis: Confirm  
 1H NMR: Confirm  
 13C NMR: Confirm  
 DEPT Analysis: Confirm

**Signature**  
 Department: Analytical  
 Quality Control  
 Name: NMR, IR, TGA, CHN, DEPT, RXN, Chiral Purity, CHMS  
 Date: 30-09-2022



## SynZeal Research Private Limited

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Nitrosamines Catalogue



D-Labelled Catalogue



SynZeal Products



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