



## CERTIFICATE OF ANALYSIS

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### 1. Identification

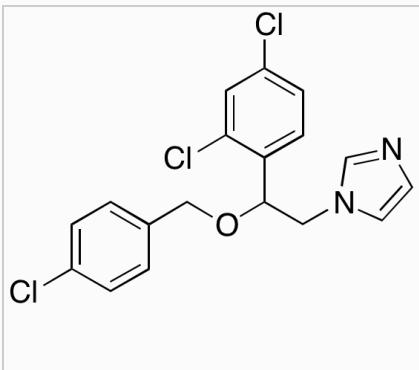
**Catalogue Number:** E326003

**CAS Number:** 27220-47-9

**Product:** Econazole

**Synonym:** 1-[2-[(4-Chlorophenyl)methoxy]-2-(2,4-dichlorophenyl)ethyl]-1H-imidazole(±)-Econazole; 1-[2,4-Dichloro-β-[(p-chlorobenzyl)oxy]phenethyl]imidazole; NSC 187789

**Structure:**



**Molecular Formula:**

C<sub>18</sub>H<sub>15</sub>Cl<sub>3</sub>N<sub>2</sub>O

**Molecular weight:**

381.68

**Source of Product:**

N/A

**Solubility:**

Chloroform (Slightly),  
Methanol (Slightly)

**Lot Number:** 711783675-1-2

**Purity:** 98%

**Shipping Condition:** This Product Is Stable To Be  
Shipped At Room Temperature

**Storage Condition:** -20°C

### 2. Warning

**Warning 1:**

**Warning 2:**

**Warning 3:**

### 3. Analytical Information

<b>Tests:</b>	<b>Specifications:</b>	<b>Results:</b>
Appearance	White to Off-White Solid	Off-White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 56.64, %H: 3.81, %N: 7.27
HPLC Purity	Report Result	99.93% (220 nm)
MS	Conforms to Structure	Conforms

**Additional Information:** N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

### 4. Signatures

<b>Reviewed By</b>	<b>Reviewed By</b>	<b>C of A Approved By</b>	<b>Test Date</b>	<b>Retest Date</b>
Sarjeet Kaur	Toni Rantanen	Chanell Chu	6/2/2023	5/31/2027