



## CERTIFICATE OF ANALYSIS

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### 1. Identification

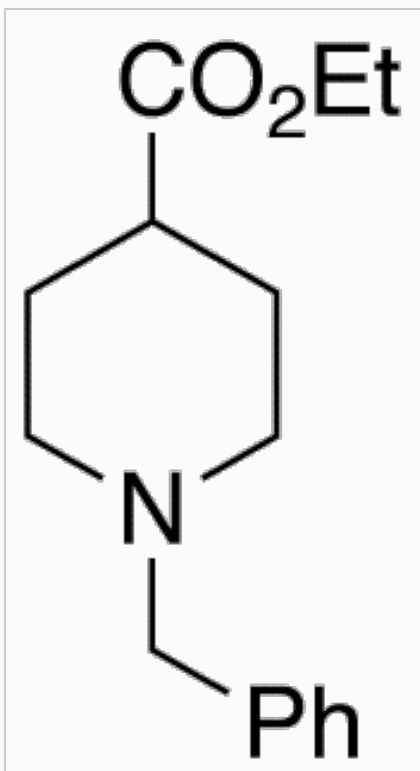
**Catalogue Number:** B233660

**CAS Number:** 24228-40-8

**Product:** N-Benzyl-4-carboethoxypiperidine

**Synonym:** 1-(Phenylmethyl)-4-piperidinecarboxylic Acid Ethyl Ester; 1-(Phenylmethyl)piperidine-4-carboxylic Acid Ethyl Ester; Ethyl 1-Benzylisonipecotate; Ethyl 1-Benzylpiperidine-4-carboxylate;

**Structure:**



**Molecular Formula:**

C<sub>15</sub>H<sub>21</sub>NO<sub>2</sub>

**Molecular weight:**

247.33

**Source of Product:**

N/A

**Solubility:**

Chloroform (Slightly),  
Hexanes (Slightly), Methanol  
(Slightly)

**Lot Number:** 15-GHZ-20-1

**Purity:** 98%

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

**Storage Condition:** 4°C

### 2. Warning

**Warning 1:**

**Warning 2:**

**Warning 3:**

### 3. Analytical Information

Tests:	Specifications:	Results:
Elemental Analysis	Conforms	%C: 72.90, %H: 8.78, %N: 5.85
Appearance	Colourless to Yellow Oil	Clear Light Yellow to Yellow Oil
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
HPLC Purity	>95%	96.95% (210 nm)

**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  $\pm 2\%$ . 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****Reviewed By**

Hanxiang Li

**Reviewed By**

Toni Rantanen

**C of A Approved  
By**

Chanell Chu

**Test Date**

6/1/2021

**Retest Date**

5/30/2031