



## CERTIFICATE OF ANALYSIS

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### 1. Identification

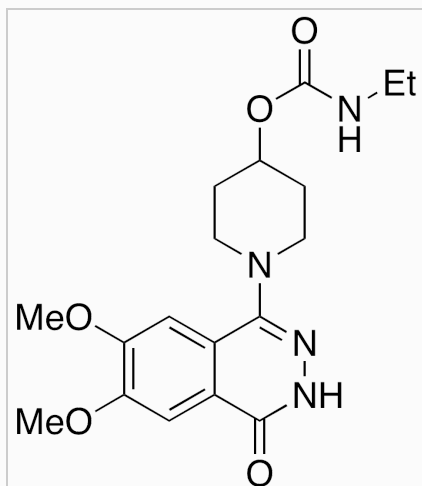
**Catalogue Number:** H884125

**CAS Number:** 96724-43-5

**Product:** 4-Hydroxycarbazeran

**Synonym:** 1-(3,4-Dihydro-6,7-dimethoxy-4-oxo-1-phthalazinyl)-4-piperidinyl Ester Ethylcarbamic Acid

**Structure:**



**Molecular Formula:**

C<sub>18</sub>H<sub>24</sub>N<sub>4</sub>O<sub>5</sub>

**Molecular weight:**

376.41

**Source of Product:**

Synthetic

**Solubility:**

Acetonitrile (Very Slightly),  
Chloroform (Slightly), DMSO  
(Slightly), Methanol (

**Lot Number:** 3-CWA-131-2

**Purity:** 97%

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

**Storage Condition:** -20°C

### 2. Warning

**Warning 1:** Not Determined

**Warning 2:**

**Warning 3:**

### 3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Off-White to Pale Beige Solid	Pale Beige Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	-2.4° (c = 0.2, Chloroform)
HPLC Purity	Report Result	98.63% (240 nm)

**Additional Information:** NA

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

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Nicole Yip	Eric Beaton	My Nguyen	8/27/2019	8/25/2026