



## CERTIFICATE OF ANALYSIS

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### 1. Identification

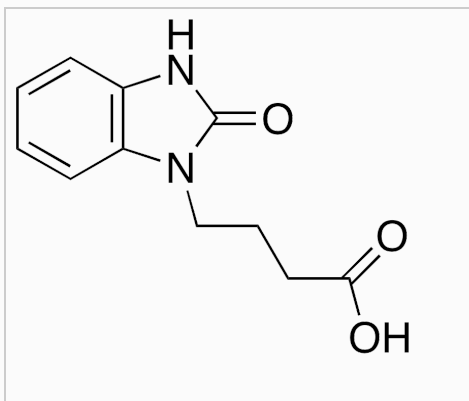
**Catalogue Number:** O869600

**CAS Number:** 3273-68-5

**Product:** 2-Oxo-1-benzimidazolinebutyric Acid

**Synonym:** 2,3-Dihydro-2-oxo-1H-benzimidazole-1-butanoic Acid

**Structure:**



**Molecular Formula:**

C<sub>11</sub>H<sub>12</sub>N<sub>2</sub>O<sub>3</sub>

**Molecular weight:**

220.22

**Source of Product:**

N/A

**Solubility:**

DMSO (Slightly), Ethyl Acetate (Very Slightly, Heated), Methanol (Slightly)

**Lot Number:** 16-GHZ-178-1

**Purity:** 98%

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

**Storage Condition:** 4°C

### 2. Warning

**Warning 1:** Not Determined

**Warning 2:**

**Warning 3:**

### 3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Pale Brown Solid	Off-White to Pale Brown Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
HPLC Purity	>95%	100.00% (280 nm)

**Additional Information:**

TLC Conditions: SiO<sub>2</sub>; Dichloromethane : Methanol = 9 : 1; Visualized with UV and AMCS; Single Spot, R<sub>f</sub> = 0.45.

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
Eric Beaton	Toni Rantanen	My Nguyen	2/28/2020	2/26/2027