Product Name: Ibotenic acid
Catalog No.: 0285
Batch No.: 38
CAS Number: 2552-55-8
IUPAC Name: α-Amino-(3-hydroxy-5-isoxazolyl)acetic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

   Batch Molecular Formula: C₅H₆N₂O₄.H₂O
   Batch Molecular Weight: 176.13
   Physical Appearance: Off-white solid
   Solubility: water to 10 mM
               1.1eq. NaOH to 100 mM
   Storage: Store at -20°C
   Batch Molecular Structure:

2. ANALYTICAL DATA

   HPLC: Shows 98.8% purity
   ¹H NMR: Consistent with structure
   Mass Spectrum: Consistent with structure
   Microanalysis:
   Carbon Hydrogen Nitrogen
   Theoretical 34.1 4.58 15.91
   Found 33.98 4.21 15.73

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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**Product Name:** Ibotenic acid  
**Catalog No.:** 0285  
**CAS Number:** 2552-55-8  
**IUPAC Name:** α-Amino-(3-hydroxy-5-isoxazolyl)acetic acid

### Description:
Ibotenic acid is a NMDA and metabotropic glutamate receptor agonist.

### Physical and Chemical Properties:
**Batch Molecular Formula:** C₉H₇N₂O₄.H₂O  
**Batch Molecular Weight:** 176.13  
**Physical Appearance:** Off-white solid

**Minimum Purity:** ≥98%

**Batch Molecular Structure:**

![Ibotenic acid molecule]

**Storage:** Store at -20°C

**Solubility & Usage Info:**
- Water to 10 mM  
- 1.1eq. NaOH to 100 mM  

**CAUTION** - Solutions of this product should be made up and used on the same day. Solutions that are frozen should be aliquoted and used within 1 week.

### Stability and Solubility Advice:
Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

### References: