



CERTIFICATE OF ANALYSIS

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1. Identification

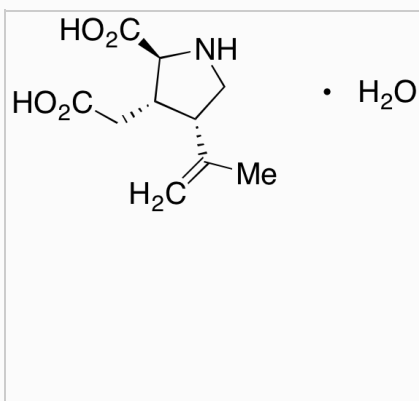
Catalogue Number: K445000

CAS Number: 58002-62-3

Product: (-)- α -Kainic Acid Monohydrate

Synonym: (2S,3S,4S)-2-Carboxy-4-(1-methylethenyl)-3-pyrrolidineacetic Acid Hydrate; [2S-(2 α ,3 β ,4 β)]-2-Carboxy-4-(1-methylethenyl)-3-pyrrolidineacetic Acid Monohydrate

Structure:



Molecular Formula:

$C_{10}H_{17}NO_5$

Molecular weight:

231.25

Source of Product:

N/A

Solubility:

Acetonitrile (Slightly),
Methanol (Slightly), Water
(Slightly)

Lot Number: 2023-QIU-144

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

Tests:	Specifications:	Results:
Appearance	White to Pale Beige Solid	White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 49.40, %H: 6.37, %N: 5.97
HPLC Purity	Report Result	99.96% (ELSD)
MS	Conforms to Structure	Conforms
Water Content	Report Result	10.8% by Karl Fischer
Specific Rotation	Report Result	-17.2° (c = 0.1, Water)

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	Reviewed By	C of A Approved By	Test Date	Retest Date
Henry Tieu	Toni Rantanen	Chanell Chu	3/14/2023	3/12/2027