

**1. Identification**Catalogue Number

A630332

Lot Number

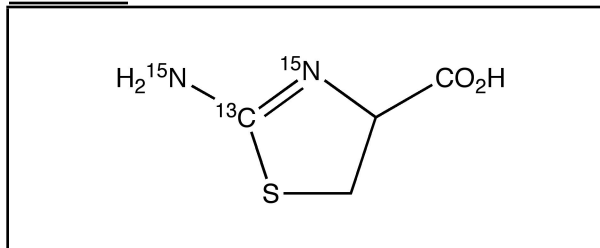
5-NBP-18-2

Product Name

rac 2-Aminothiazoline-4-carboxylic Acid-13C, 15N2

Synonyms

2-Amino-4,5-dihydro-4-thiazolecarboxylic Acid-13C, 15N2; 2-Aminothiazoline-4-

StructureCAS Number

1346599-59-4

SolubilityMethanol (Slightly), Water
(Sparingly)Shipping ConditionThis Product Is Stable To Be Shipped At Room
TemperatureMolecular Formula $C_3^{13}CH_6^{15}N_2O_2S$ Source of Product

Synthetic

Long Term Storage Conditions

4°C

Molecular Weight

149.15

Purity

>95%

2. Warnings

Not Determined

3. Analytical Information

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White to Off-White Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
C NMR	Conforms to Structure	Conforms
HPLC Purity	>95%	99.87% (220 nm)
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	>99.9%
Specific Rotation	Report Result	0.0° (c = 0.2, Water)

Additional InformationNormalized Intensity: $d_0 = 0.00\%$, $d_1 = 0.00\%$, $d_2 = 0.00\%$, $d_3 = 100.00\%$

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. SignaturesReviewed by

Sarbjit Kaur

Product Quality Specialist

Reviewed by

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Chanell Chu

Jr. Quality Assurance

Test Date

7/9/2022

Retest Date

7/7/2029