

1. Identification

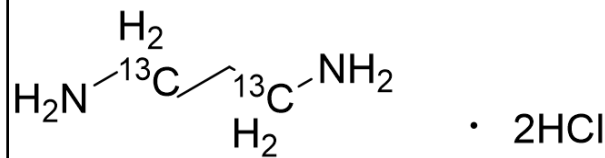
Catalogue Number

D416029

Lot Number

11-WJS-99-2

Structure



Product Name

1,4-Diaminobutane-1,4-13C2 Dihydrochloride

Synonyms

CAS Number

96839-26-8

Solubility

Methanol (Slightly), Water (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

$C_2^{13}C_2H_{12}N_2 \cdot 2(HCl)$

Source of Product

Synthetic

Long Term Storage Conditions

-20°C, Hygroscopic

Molecular Weight

90.14 + 2(36.46)

Purity

>95%

2. Warnings

Hygroscopic

3. Analytical Information

Tests

Appearance

Specifications

White to Off-White Solid

Results

White to Off-White Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 29.36, %H: 8.43, %N: 16.86

HPLC Purity

>95%

99.03% (ELSD)

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

99.9%

Additional Information

Normalized Intensity: $^{13}C_0 = 0.05\%$, $^{13}C_1 = 0.00\%$, $^{13}C_2 = 99.95\%$

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

A. Vijaya

Vijaya Annapareddy

Product Quality Specialist

Reviewed by

Toni Rantanen

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Christina Gouliaras

Christina Gouliaras

Quality Assurance Associate

Test Date

11/26/2024

Retest Date

11/24/2028