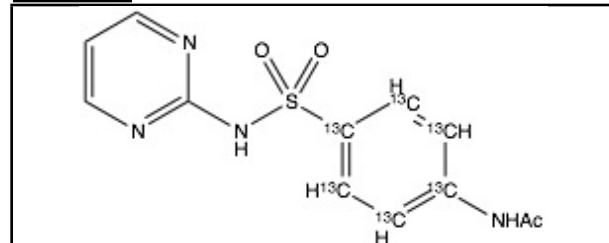


**CERTIFICATE OF ANALYSIS****1. Identification**

Catalogue Number A187813      Lot Number 11-NRR-34-5

Product Name

N-Acetyl Sulfadiazine-13C6

StructureSynonyms

N-[4-[(2-Pyrimidinylamino)sulfonyl]phenyl-13C6]acetamide; 2-[(p-Acetamidophenyl-13C6)sulfonamido]pyrimidine; N4-Acetyl sulfadiazine-13C6; 4'-(2-Pyrimidinylsulfamoyl)acetanilide-13C6; 4N-Acetyl sulfadiazine-13C6;

CAS Number

1217089-17-2

Solubility

DMSO (Slightly), Methanol (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C<sub>6</sub><sup>13</sup>C<sub>6</sub>H<sub>12</sub>N<sub>4</sub>O<sub>3</sub>S

Source of Product

Synthetic

Long Term Storage Conditions

-20°C

Molecular Weight

298.27

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
Elemental Analysis	Conforms	%C: 46.47, %H: 4.54, %N: 17.75
HPLC Purity	>95%	99.51% (265 nm)
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	99.5%

Additional Information

Normalized Intensity: <sup>13</sup>C<sub>0</sub> = 0.00%, <sup>13</sup>C<sub>1</sub> = 0.00%, <sup>13</sup>C<sub>2</sub> = 0.06%, <sup>13</sup>C<sub>3</sub> = 0.00%, <sup>13</sup>C<sub>4</sub> = 0.06%, <sup>13</sup>C<sub>5</sub> = 2.53%, <sup>13</sup>C<sub>6</sub> = 97.35%

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**

<u>Reviewed by</u>	<u>Reviewed by</u>	<u>C of A Approved by</u>	<u>Test Date</u>	<u>Retest Date</u>
Farnaz Mahmoudi Product Quality Specialist	Toni Rantanen Manager, Quality Assurance	Chanell Chu Quality Assurance Associate	12/17/2024	12/15/2028