



## CERTIFICATE OF ANALYSIS

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### 1. Identification

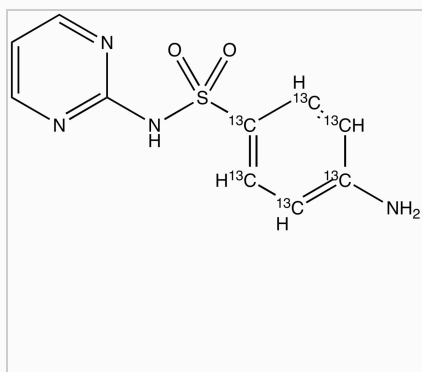
**Catalogue Number:** S699052

**CAS Number:** 1189426-16-1

**Product:** Sulfadiazine-13C6

**Synonym:** 4-Amino-N-2-pyrimidinylbenzenesulfonamide-13C6; 2-(4-Aminobenzenesulfonamido-13C6)pyrimidine; 2-Sulfanilylamino-pyrimidine-13C6; Adiazine-13C6; Adiazine-13C6; Debenal-13C6; Liquadiazine-13C6; Microsulfon-13C6; Sulfazine-13C6; Sulfolex-13C6;

**Structure:**



**Molecular Formula:**

$C_4^{13}C_6H_{10}N_4O_2S$

**Molecular weight:**

256.23

**Source of Product:**

Synthetic

**Solubility:**

DMSO (Sparingly), Methanol (Slightly)

**Lot Number:** 6-THT-147-1

**Purity:** 95%

**Shipping Condition:** This Product Is Stable To Be Shipped At Room Temperature

**Storage Condition:** -20°C

### 2. Warning

**Warning 1:** Not Determined

**Warning 2:**

**Warning 3:**

### 3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Light Yellow Solid	White Solid
Elemental Analysis	Conforms	%C: 46.41, %H: 3.92, %N: 21.11
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	99.4%
NMR	Conforms to Structure	Conforms

**Additional Information:**

TLC Conditions: SiO<sub>2</sub>; Dichloromethane : Methanol = 9 : 1; Visualized with UV and AMCS; Single Spot, R<sub>f</sub> = 0.60. Elemental Analysis: (Theoretical) %C: 46.86, %H: 3.93, %N: 21.87 Normalized Intensity: 13C0 = 0.16%, 13C1 = 0.10%, 13C2 = 0.16%, 13C3 = 0.18%, 13C4 = 0.00%, 13C5 = 1.19%, 13C6 = 98.22%

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 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**

Neha Khanna



**Reviewed By**

Eric Beaton



**C of A Approved  
By**

My Nguyen



**Test Date**

8/30/2019

**Retest Date**

8/28/2029