



CERTIFICATE OF ANALYSIS

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1. Identification

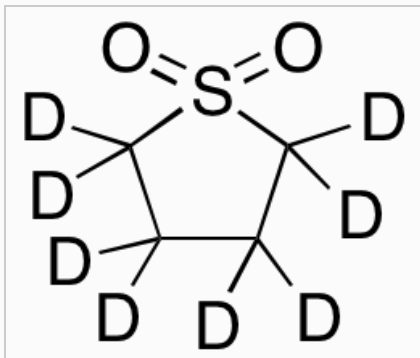
Catalogue Number: S689222

CAS Number: 51219-88-6

Product: Sulfolane-d8

Synonym: 1,1-Dioxothiolan-d8; Bondelane-d8 A; Bondolane-d8 A; Cyclic Tetramethylene Sulfone-d8; Cyclotetramethylene-d8 Sulfone; NSC 46443-d8; Sulfolan-d8; Sulfolane SG-d8; Sulpholane-d8; Tetrahydrothiophene-d8 1,1-Dioxide; Tetrahydrothiophene-d8 S,S-Dioxide; Tetrahydrothiophene-d8 Dioxide; Tetramethylene-d8 Sulfone; Thiacyclopentane-d8 Dioxide; Thiolane-d8 1,1-Dioxide; Thiophane-d8 1,1-Dioxide; Thiophane-d8 Dioxide

Structure:



Molecular Formula:

C₄D₈O₂S

Molecular weight:

128.22

Source of Product:

N/A

Solubility:

Chloroform (Slightly)

Lot Number: 2024-JJS-010

Purity: 95%

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

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Colourless Oil	Clear Colourless Oil
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
GC Purity	Report Result	99.46%
Isotopic Purity	>95%	97.2%

Additional Information:

Normalized Intensity: d0 = 0.44%, d1 = 0.26%, d2 = 0.67%, d3 = 1.11%, d4 = 0.37%, d5 = 1.21%, d6 = 1.21%, d7 = 0.00%, d8 = 94.73%

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	Reviewed By	C of A Approved By	Test Date	Retest Date
Henry Tieu	Toni Rantanen	Chanell Chu	3/13/2024	3/11/2028
				