



CERTIFICATE OF ANALYSIS

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1. Identification

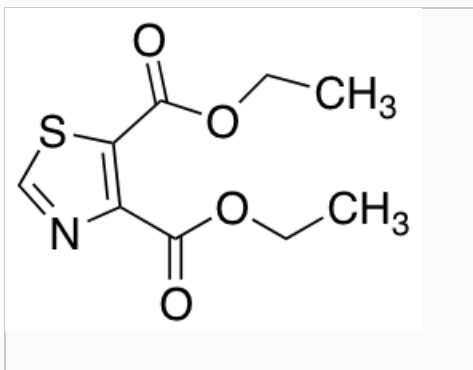
Catalogue Number: D522940

CAS Number: 18940-72-2

Product: Diethyl 4,5-Thiazoledicarboxylate

Synonym: 4,5-Thiazoledicarboxylic Acid Diethyl Ester (8CI,9CI)

Structure:



Molecular Formula:

C₉H₁₁NO₄S

Molecular weight:

229.25

Source of Product:

N/A

Solubility:

Chloroform (Slightly),
Methanol (Slightly)

Lot Number: 21-ZEA-28-1

Purity: 95%

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

Storage Condition: 4°C, Inert atmosphere

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Elemental Analysis	Conforms	%C: 46.82, %H: 4.99, %N: 5.96
Appearance	Colourless to Yellow Oil	Clear Colourless to Pale Yellow Oil
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms

Additional Information: N/A

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	Reviewed By	C of A Approved By	Test Date	Retest Date
Henry Tieu	Toni Rantanen	Chanell Chu	6/26/2021	6/24/2025