

## 1. Identification

### Catalogue Number

D444578

### Lot Number

21-ZEA-116-1

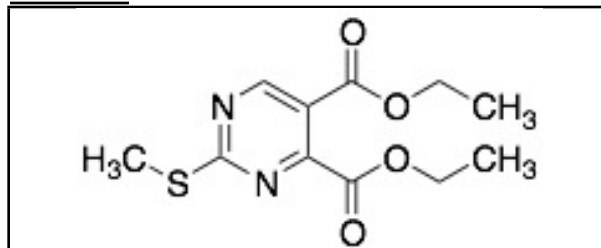
### Product Name

Diethyl 2-(Methylthio)-4,5-pyrimidinedicarboxylate

### Synonyms

2-Methylsulfanylpurimidine-4,5-dicarboxylic Acid Diethyl Ester; NSC 165442

### Structure



### CAS Number

149771-08-4

### Solubility

Chloroform (Slightly), Methanol (Slightly)

### Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

### Molecular Formula

C<sub>11</sub>H<sub>14</sub>N<sub>2</sub>O<sub>4</sub>S

### Source of Product

N/A

### Long Term Storage Conditions

-20°C, Inert atmosphere

### Molecular Weight

270.3

### Purity

>95%

## 2. Warnings

Not Determined

## 3. Analytical Information

### Tests

Appearance

### Specifications

White to Off-White Solid

### Results

Off-White Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 48.98, %H: 5.38, %N: 10.27

HPLC Purity

>95%

100.00% (280 nm)

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

Evan Burns

### Reviewed by



### C of A Approved by



### Test Date

8/25/2021

### Retest Date

8/23/2025

Evan Burns

Toni Rantanen

Chanell Chu

Product Quality Specialist

Manager, Quality Assurance

Jr. Quality Assurance