



CERTIFICATE OF ANALYSIS

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1. Identification

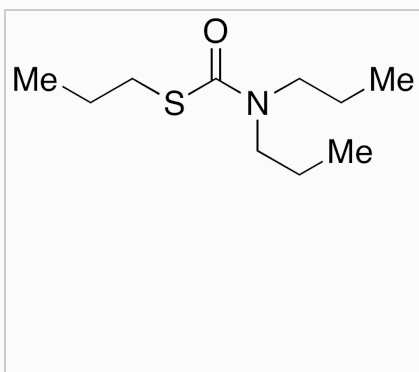
Catalogue Number: V128700

CAS Number: 1929-77-7

Product: Vernolate

Synonym: N,N-Dipropylcarbamothioic Acid S-Propyl Ester; Dipropylthiocarbamic Acid S-Propyl Ester; PPTC; Perbulate; Propyl Dipropylthiolcarbamate; R-1607; S-Propyl Dipropylthiocarbamate; S-n-Propyl N,N-Dipropylthiocarbamate; Vanalate; Vernam;

Structure:



Molecular Formula:

C₁₀H₂₁NOS

Molecular weight:

203.34

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly), DMSO (Slightly), Methanol (Slightly)

Lot Number: 17-KHI-108-2

Purity: 98%

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:
Appearance	Light Brown to Brown Oil	Brown Oil
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 59.49, %H: 10.68, %N: 7.86
MS	Conforms to Structure	Conforms
HPLC Purity	Report Result	99.76% (210 nm)

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
Nicole Yip	Toni Rantanen	Chanell Chu	7/26/2022	7/24/2026