



CERTIFICATE OF ANALYSIS

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1. Identification

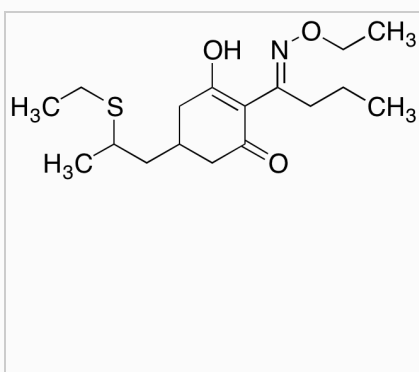
Catalogue Number: S280808

CAS Number: 74051-80-2

Product: Sethoxydim

Synonym: 2-[1-(Ethoxyimino)butyl]-5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-one; ARD 34/02; Alloxol S; BAS 9052; BAS 90520H; BASF 9052; Cyethoxydim; Expand; Expand Plus; Fervinal; Fervinal plus; Grasdim; NP 55; Nabu; Nabu S; Poast; Poast Plus; Segment; Sertin;

Structure:



Molecular Formula:

C₁₇H₂₉NO₃S

Molecular weight:

327.48

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly),
Methanol (Slightly)

Lot Number: 17-YEN-176-1

Purity: 97%

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 to Light Yellow Oil to Thick Oil	Clear Colourless Oil
NMR	Conforms to Structure	Conforms
HPLC Purity	Report Result	97.51% (285 nm)
MS	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 62.70, %H: 9.14, %N: 5.23

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
Sarbjeet Kaur	Toni Rantanen	Chanell Chu	3/6/2024	3/4/2028