



CERTIFICATE OF ANALYSIS

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1. Identification

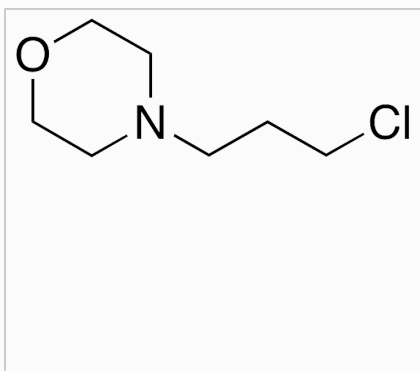
Catalogue Number: C379750

CAS Number: 7357-67-7

Product: 4-(3-Chloropropyl)morpholine

Synonym: 1-Chloro-3-morpholinopropane; 3-(Morpholin-4-yl)propyl Chloride; 3-Chloro-1-(morpholin-4-yl)propane; 3-Morpholinopropyl Chloride; NSC 28831; NSC 38889; Pramoxine Impurity

Structure:



Molecular Formula:

C₇H₁₄ClNO

Molecular weight:

163.65

Source of Product:

N/A

Solubility:

Chloroform (Slightly),
Methanol (Slightly)

Lot Number: 19-SSR-142-1

Purity: 98%

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

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Colourless to Yellow Oil	Clear Colourless Oil
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
GC	Report Result	99.51%

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	8/17/2021	8/15/2031