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Certificate of Analysis

Catalogue Number	16581
Product	(2R,5S)-2-Trichloromethyl-3-oxa-1-azabicyclo[3.3.0]octan-4-one
Lot Number	000672-10618-01 (3R)-Trichloromethyl-cis-tetrahydropyrrolo[1,2-c]oxazol-1-one
CAS Number	97538-67-5
Molecular Formula	C ₇ H ₈ Cl ₃ NO ₂
Molecular Weight	244.5

Appearance	Pale yellow solid
Solubility	Clear colorless solution (1g/10 mL Ethyl acetate); Clear solution (1g/10 mL CH ₂ Cl ₂)
Melting Point	110 °C (dec.)
TLC System	Hexane/Ethyl acetate (85:15) Single spot, Visualized in Ninhydrine
Optical Rotation	[α] _D ²³ = -2.26° (C=2 in CHCl ₃)
¹³C NMR	Conforms to structure
¹H NMR	Conforms to structure
Purity	> 97% (NMR)
Chiral Purity	> 99%
Storage	Store at 2-8 °C
Remarks	See material safety data sheet for additional information For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager