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Certificate of Analysis

Catalog Number	06282
Product Name	<i>L-allo</i> -Threoninol
Lot Number	6282-090203-V
Molecular Formula	C ₄ H ₁₁ NO ₂
Molecular Weight	105.1
Appearance	Pale amber oil
Optical Rotation	$\alpha_D^{20} = +38.3^\circ$ (C=1, EtOH)
HPLC	Non-diagnostic for purity (compound not detected due to extremely low UV absorbance).
¹H and ¹³C NMR	Consistent with predicted structure, in CD ₃ OD
TLC (Analtech plates)	> 96 % (no traces of substrate)
n-BuOH:H₂O:AcOH:EtOAc 1:1:1:1	R _f = 0.61 (Major) R _f = 0.43 (Minor)
CH₂Cl₂:MeOH:H₂O 14:6:1	R _f = 0.14 (Major) R _f = 0.26 (Minor) R _f = 0.06 (Minor)
Storage	Store at 0-5°C.
Remarks	See Material Safety Data Sheets for additional information. For Laboratory use only

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



Sashi Kumar
Quality Control Manager