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Certificate of Analysis

Catalogue Number	06437
Lot Number	000127-0509312
Product	<i>N</i>^α-Z-D-lysine benzyl ester benzenesulfonate salt Z-D-Lys-OBzl•Benzenesulfonate
CAS Number	201018-13-5
Molecular Formula	C ₂₇ H ₃₂ N ₂ O ₇ S
Molecular Weight	528.5

Appearance	White powder
Appearance of Solution	Clear colorless solution (50 mg/ml in MeOH)
Melting Point	99 °C
Elemental Analysis (Theory)	C = 61.35%; H = 6.10%; N = 5.30% Calcd. as Benzenesulfonic acid
Elemental Analysis (Found)	C = 61.30%; H = 5.94%; N = 5.38% Calcd. as Benzenesulfonic acid
TLC System	Chloroform/Methanol/Acetic acid 32% (15:4:1) Ethylacetate/Pyridine/Acetic acid/Water (60:20:6:11) Chloroform/Methanol/Acetic acid (77.5:15:7.5) Plate: silicagel 60F ₂₅₄ Detected by: UV, ninhydrin, chloride-tolidine
Optical Rotation	[α] _D ²⁴ = +18.1° (C=5 in MeOH)
Purity by TLC	> 99%
Storage	Store at 0-8°C

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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