

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	06437
<b>Product</b>	<b><i>N</i><sup>α</sup>-<b>Z-D-lysine benzyl ester benzenesulfonate salt</b> Z-D-Lys-OBzl•Benzenesulfonate</b>
<b>CAS Number</b>	201018-13-5
<b>Molecular Formula</b>	C <sub>27</sub> H <sub>32</sub> N <sub>2</sub> O <sub>7</sub> S
<b>Molecular Weight</b>	528.5
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<b>Appearance</b>	White powder
<b>Appearance of Solution</b>	Clear colorless solution (50 mg/ml in MeOH)
<b>Melting Point</b>	98-100 °C
<b>Elemental Analysis (Theory)</b>	C = 61.35%; H = 6.10%; N = 5.30% Calcd. as Benzenesulfonic acid
<b>Elemental Analysis (Found)</b>	C = 61.35 ± 0.5%; H = 6.10 ± 0.5%; N = 5.30 ± 0.5% Calcd. as Benzenesulfonic acid
<b>TLC System</b>	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 <sub>254</sub> Detected by: UV, ninhydrin, chloride-tolidine
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>24</sup> = +18.1 ± 2° (C=5 in MeOH)
<b>Purity by TLC</b>	≥ 99%
<b>Storage</b>	Store at 0-8°C

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**For Laboratory Use Only**