

Analytical Data Sheet

Lot number **1000008309**
not for drug use

Catalog number **N-1040.0050**
Product number **4003801.0050**
Product **Z- Phe- Ala- diazomethylketone**
Molecular formula $C_{21}H_{22}N_4O_4$
Relative molecular mass 394.43

Tests	Results								
Appearance	slightly yellowish powder								
Appearance of solution	clear, slightly yellowish solution (50 mg/ml in $CHCl_3$)								
Identification (IR)	conforms with reference spectrum								
Identification (elemental analysis)	<table><thead><tr><th>Theory</th><th>Found</th></tr></thead><tbody><tr><td>C = 64.0 %</td><td>C = 63.6 %</td></tr><tr><td>H = 5.6 %</td><td>H = 5.7 %</td></tr><tr><td>N = 14.2 %</td><td>N = 13.9 %</td></tr></tbody></table>	Theory	Found	C = 64.0 %	C = 63.6 %	H = 5.6 %	H = 5.7 %	N = 14.2 %	N = 13.9 %
Theory	Found								
C = 64.0 %	C = 63.6 %								
H = 5.6 %	H = 5.7 %								
N = 14.2 %	N = 13.9 %								
Melting point	134 °C								
Purity (TLC)	> 98%								
TLC conditions	chloroform/ethylacetate/acetic acid 50/50/2 chloroform/methanol/acetic acid 90/8/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB								

Latest update: November 13, 2018

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