

# Analytical Data Sheet

Lot number

## 1044328

not for drug use

<b>Catalog Number</b>	<b>N-1040.0250</b>
<b>Product number</b>	<b>4003801.0250</b>
<b>Product</b>	<b>Z- Phe- Ala- diazomethylketone</b>
<b>Molecular formula</b>	$C_{21}H_{22}N_4O_4$
<b>Relative molecular mass</b>	394.43

Tests	Results								
<b>Appearance</b>	slightly yellowish powder								
<b>Appearance of solution</b>	clear, slightly yellowish solution (50 mg/ml in $CHCl_3$ )								
<b>Identification (IR)</b>	conforms with reference spectrum								
<b>Identification (elemental analysis)</b>	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <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> </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 %								
<b>Melting point</b>	134 °C								
<b>Purity (TLC)</b>	> 98%								
<b>TLC conditions</b>	chloroform/ethylacetate/acetic acid 50/50/2 chloroform/methanol/acetic acid 90/8/2 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB								
Latest update: August 28, 2012	<b>Analytical Data Sheet</b> Lot number <b>1044328</b>								