

Analytical Data Sheet

Lot number

1008374

not for drug use

Catalog Number	N-1045.0050
Product number	4004026.0050
Product	Z- Phe- Phe- diazomethylketone
Molecular formula	C ₂₇ H ₂₆ N ₄ O ₄
Relative molecular mass	470.53

Tests	Results								
Appearance	yellowish powder								
Appearance of solution	slightly yellow solution (50 mg/ml in THF)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 68.92 %</td> <td>C = 68.75 %</td> </tr> <tr> <td>H = 5.57 %</td> <td>H = 5.73 %</td> </tr> <tr> <td>N = 11.91 %</td> <td>N = 11.58 %</td> </tr> </table> <p>calc. as x 0.1 H₂O</p>	Theory	Found	C = 68.92 %	C = 68.75 %	H = 5.57 %	H = 5.73 %	N = 11.91 %	N = 11.58 %
Theory	Found								
C = 68.92 %	C = 68.75 %								
H = 5.57 %	H = 5.73 %								
N = 11.91 %	N = 11.58 %								
Purity (TLC)	> 98%								
TLC conditions	chloroform/acetic acid 95/5 chloroform/methanol/acetic acid 90/8/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB								
Assay (elemental analysis)	99.8% (Cth 68.92 %, Cfd 68.75 %)								
Water content (KF volumetric)	0.3%								
Latest update: October 24, 2008									