

Analytical Data Sheet

Lot number

1021173

not for drug use

Catalog Number	H-1036.0025
Product number	4013887.0025
Product	TRH- Gly Pyr- His- Pro- Gly- OH
Molecular formula	$C_{18}H_{24}N_6O_6$
Relative molecular mass	420.43

Tests	Results								
Appearance	Off-white powder								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 46.57 %</td> <td>C = 46.36 %</td> </tr> <tr> <td>H = 5.33 %</td> <td>H = 5.49 %</td> </tr> <tr> <td>N = 17.15 %</td> <td>N = 17.31 %</td> </tr> </table>	Theory	Found	C = 46.57 %	C = 46.36 %	H = 5.33 %	H = 5.49 %	N = 17.15 %	N = 17.31 %
Theory	Found								
C = 46.57 %	C = 46.36 %								
H = 5.33 %	H = 5.49 %								
N = 17.15 %	N = 17.31 %								
Amino acid analysis	Glx 1.00 (1) His 0.97 (1) Gly 0.91 (1) Pro 1.02 (1)								
Solubility	soluble in H ₂ O								
Purity (HPLC)	> 99%								
Purity (TLC)	> 99%								
TLC conditions	n-Butanol/acetic acid/H ₂ O 4/2/2 Plate: silicagel 60 F ₂₅₄ Detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	87% (Nth 19.98 %, Nfd 17.31 %)								
General comment	The product contains TFA and H ₂ O								
Latest update: December 17, 2008	Analytical Data Sheet Lot number 1021173								