Analytical Data Sheet

Lot number

1021087

not for drug use

Catalog Number	**E–2760.0005**
Product number	**4015207.0005**
Product	**H– Asn– p– nitrobenzyl ester · HBr**
Molecular formula	$C_{11}H_{13}N_3O_5 \cdot HBr$
Relative molecular mass	348.15

Tests	Results
Appearance	off–white powder
Appearance of solution	clear, colorless solution (50 mg/ml in methanol)
Identification (elemental analysis)	Theory / Found C = 38.0 % / C = 37.8 % H = 4.1 % / H = 4.0 % N = 12.1 % / N = 12.0 % calc. x 1 HBr (23.2 %)
Identification (TLC)	complies with authentic material
Melting point	168 °C
Specific optical rotation	$[\alpha]_D^{24}$ = + 5.0 ° (2 % in dimethylformamide)
Purity (TLC)	> 98 %
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 n–butanol/acetic acid/H_2O 4/2/2 ethylacetate/pyridine/acetic acid/H_2O 60/20/6/11 plate: silicagel 60 F_{254} detected by: UV, ninhydrin, TMB
Bromide content (titration)	23.2 % ($AgNO_3$)

Latest update: December 15, 2008