

Analytical Data Sheet

Lot number **1000021430**
not for drug use

Catalog number **F-1880.0005**
Product number **4007045.0005**
Product **H- Arg(NO₂) - OBzl p- tosylate salt**
Molecular formula **C₁₃H₁₉N₅O₄**
Relative molecular mass **309.33**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (TLC)	complies with authentic material
Melting point	127 °C
Specific optical rotation	$[\alpha]_D^{24} = + 16.8^\circ$ (3% in pyridine)
Purity (TLC)	> 98%
Related impurities (TLC)	0.5% H-Arg(NO ₂)-OH
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 n-butanol/acetic acid/H ₂ O 4/2/2 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (GC)	0.1% D-Enantiomer
Assay (elemental analysis)	64.2% (Nth 22.64%, Nfd 14.54%)
Assay (titration)	36.2% (TBAH)
Water content (KF volumetric)	0.4%
General comment	Assay (100% - 0.4% - 36.4%) = 63.2%

Latest update: September 09, 2019

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