

## Analytical Data Sheet

Lot number **1000017772**  
not for drug use

Catalog number **E-3330.0005**  
Product number **4026726.0005**  
Product **H- Arg(Pbf) - OtBu · HCl**  
Molecular formula **C<sub>23</sub>H<sub>38</sub>N<sub>4</sub>O<sub>5</sub>S · HCl**  
Relative molecular mass **519.11**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless liquid (50 mg/mL in methanol)
Identification (TLC)	Rf value in agreement with authentic material
Purity (HPLC)	98.61%(TFA)
Related impurities (HPLC)	0.23% H-Arg(Pbf)-OH
TLC conditions	chloroform/methanol/acetic acid/H <sub>2</sub> O 45/13/1/2 chloroform/methanol/acetic acid 77.5/15/7.5 chloroform/methanol/toluene/H <sub>2</sub> O 8/8/8/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
Enantiomer content (chiral chromatography)	< 0.10% D-enantiomer
Assay (elemental analysis)	97.9%(Nth 10.79%, Nfd 10.56%)
Water content (KF volumetric)	1.0%
Chloride content (titration)	6.5%

Latest update: June 19, 2019

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