

Analytical Data Sheet

Lot number **1061351**
not for drug use

Catalog number **A-3565.0001**
Product number **4019088.0001**
Product **Boc- Arg(Pbf) - OH**
Molecular formula $C_{24}H_{38}N_4O_7S$
Relative molecular mass 526.65

| Tests | Results |
|--|---|
| Appearance | white powder |
| Appearance of solution | clear, colorless solution (50 mg/mL in methanol) clear, slightly yellow solution (0.5 mmol/mL in DMF) |
| Identification (TLC) | complies with authentic material |
| Purity (TLC) | > 99% |
| Related impurities (TLC) | < 0.2% H-Arg(Pbf)-OH |
| TLC conditions | chloroform/methanol/toluene/H ₂ O 8/8/8/1 ethylacetate/pyridine/acetic acid/H ₂ O 60/10/3/4 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB |
| Enantiomer content (chiral chromatography) | < 0.1% D-enantiomer |
| Assay (titration) | 90.4% (TBAH) |
| Water content (KF volumetric) | 0.1% |
| Acetic acid content (IC) | 0.020% |

Latest update: September 03, 2015

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