

Analytical Data Sheet

Lot number **1000041022**
not for drug use

Product Fmoc-Arg(Pbf)-OPfp

Product number **4025874.0001**

Molecular formula C₄₀H₃₉F₅N₄O₇S

Relative molecular mass 814.84

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in dioxane)
Identification (TLC)	Rf value in agreement with authentic material
Purity (HPLC)	89.00% (TFA)
Related impurities (HPLC)	4.09% Fmoc-Arg(Pbf)-OH 0.09% Fmoc-β-Ala-OH
Related impurities (TLC)	≤ 1% N-ethyl-N-(3-dimethylaminopropyl)-carbodiimide · HCl
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 toluene/dioxane/acetic acid 95/25/4 chloroform/methanol/acetic acid/ H ₂ O 90/10/0.5/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	98.5% (Cth 58.96%, Cfd 58.09%)
Water content (KF volumetric)	0.4%

Latest update: November 12, 2020

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