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Certificate of Analysis

| | |
|--------------------------|--|
| Catalogue Number | 03697 |
| Product | Fmoc-S-[2,3-bis(palmitoyloxy)propyl]-L-cysteine |
| Lot Number | 000127-1038009 Fmoc-Dhc(Pam) ₂ -OH |
| CAS Number | 210532-98-2 |
| Molecular Formula | C ₅₃ H ₈₃ NO ₈ S |
| Molecular Weight | 894.31 |

| | |
|------------------------------------|---|
| Appearance | White powder |
| Appearance of Solution | Clear, colorless solution (50 mg/mL in dioxane) |
| Elemental Analysis (Theory) | C = 71.2%, H = 9.4%, N = 1.6% |
| Elemental Analysis (Found) | C = 71.4%, H = 9.5%, N = 1.5% |
| Water Content (Karl Fisher) | 0.2% |
| TLC System | Toluene/Dioxane/Acetic acid (95:25:4) Chloroform/Methanol/Acetic Acid (50:50:2) Plate: silicagel 60 F254 Detected by: UV, ninhydrin, chlorine-tolidine, ammonium molybdate |
| Assay | 100.4% (Cth 71.18%, Cfd 71.44%) |
| Assay by titration | 99.8% (TBAH) |
| Purity by HPLC | 96.6% |
| Purity by TLC | > 95% |
| Storage | Store at 0-8 °C |
| Additional Information | Acetic acid content: 0.0028% |

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager