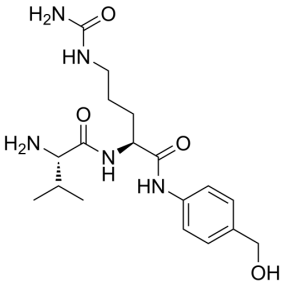


Certificate of Analysis

| | |
|-----------------------|--|
| Product Name: | Val-cit-PAB-OH |
| Cat. No.: | CS-5171 |
| CAS No.: | 159857-79-1 |
| Batch No.: | 28048 |
| Chemical Name: | L-Ornithinamide, L-valyl-N5-(aminocarbonyl)-N-[4-(hydroxymethyl)phenyl]- |

PHYSICAL AND CHEMICAL PROPERTIES

| | |
|----------------------------|--|
| Molecular Formula: | C ₁₈ H ₂₉ N ₅ O ₄ |
| Molecular Weight: | 379.45 |
| Storage: | 2-8°C, stored under nitrogen |
| Chemical Structure: |  |

ANALYTICAL DATA

| | |
|------------------------------------|---|
| Appearance: | White to off-white (<168 °C Solid,>168 °C Liquid) |
| ¹H NMR Spectrum: | Consistent with structure |
| LCMS: | Consistent with structure |
| Purity (HPLC): | 99.29% |
| Conclusion: | The product has been tested and complies with the given specifications. |

Caution: Product has not been fully validated for medical applications. For research use only.

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