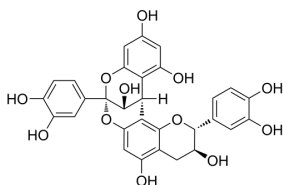


Certificate of Analysis

| | |
|-----------------------|--|
| Product Name: | Procyanidin A1 |
| Cat. No.: | CS-0021306 |
| CAS No.: | 103883-03-0 |
| Batch No.: | 46851 |
| Chemical Name: | 8,14-Methano-2H,14H-1-benzopyrano[7,8-d][1,3]benzodioxocin-3,5,11,13,15-pentol, 2,8-bis(3,4-dihydroxyphenyl)-3,4-dihydro-, (2R,3S,8S,14R,15R)- |

PHYSICAL AND CHEMICAL PROPERTIES

| | |
|----------------------------|---|
| Molecular Formula: | C ₃₀ H ₂₄ O ₁₂ |
| Molecular Weight: | 576.50 |
| Storage: | 2-8°C, protect from light |
| Chemical Structure: | |



ANALYTICAL DATA

| | |
|------------------------------------|---|
| Appearance: | White to off-white (Solid) |
| ¹H NMR Spectrum: | Consistent with structure |
| MS: | Consistent with structure |
| Purity (HPLC): | 99.19% |
| 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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