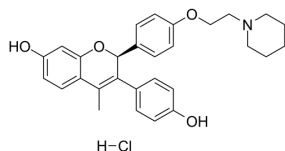


Certificate of Analysis

| | |
|-----------------------|---|
| Product Name: | Acolbifene (hydrochloride) |
| Cat. No.: | CS-0006117 |
| CAS No.: | 252555-01-4 |
| Batch No.: | 99550 |
| Chemical Name: | 2H-1-Benzopyran-7-ol, 3-(4-hydroxyphenyl)-4-methyl-2-[4-[2-(1-piperidinyloxy)phenyl]-, hydrochloride (1:1), (2S)- |

PHYSICAL AND CHEMICAL PROPERTIES

| | |
|----------------------------|---|
| Molecular Formula: | C ₂₉ H ₃₂ ClNO ₄ |
| Molecular Weight: | 494.02 |
| Storage: | 2-8°C, sealed storage, away from moisture |
| Chemical Structure: | |



ANALYTICAL DATA

| | |
|------------------------------------|---|
| Appearance: | White to yellow (Solid) |
| ¹H NMR Spectrum: | Consistent with structure |
| LCMS: | Consistent with structure |
| Enantiomeric Excess: | 98.04% |
| Purity (LCMS): | 98.48% |
| Chirality: | Confirmed by Chiral intermediate |
| 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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