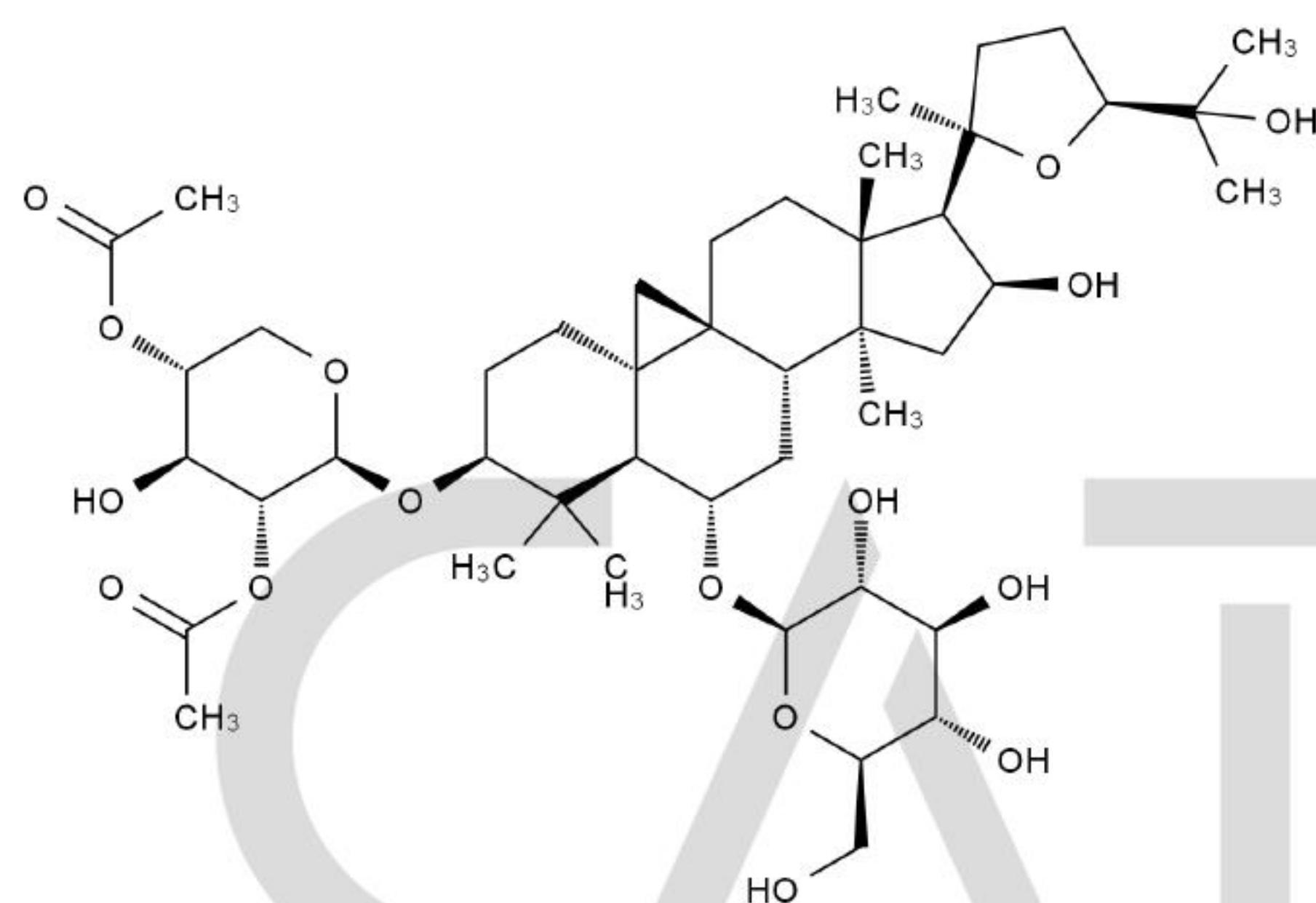


Certificate of Analysis

Reference Material & Standard

Product Name:	Isoastragaloside I	Catalogue Number:	CCPE901057
Synonyms:	N/A	Lot Number:	0724-RH-0053
CAS Number:	84676-88-0	Expiry Date:	Jul 28, 2029
Molecular Formula:	C ₄₅ H ₇₂ O ₁₆	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	869.04	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	ELSD	97.203%
Loss on Drying	TGA	1.4169%
Assay		95.8%
Uncertainty		±0.6%

Comment:

- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Loss on Drying}) * \text{Purity ELSD (\%)} / 100\%$$

Loss on Drying is considered as absolute effect, ELSD purity is considered as relative effect.
- The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Nice

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Jul 29, 2026

Date: Jul 30, 2026

Date: Jul 30, 2026



Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

