

Certificate of Analysis

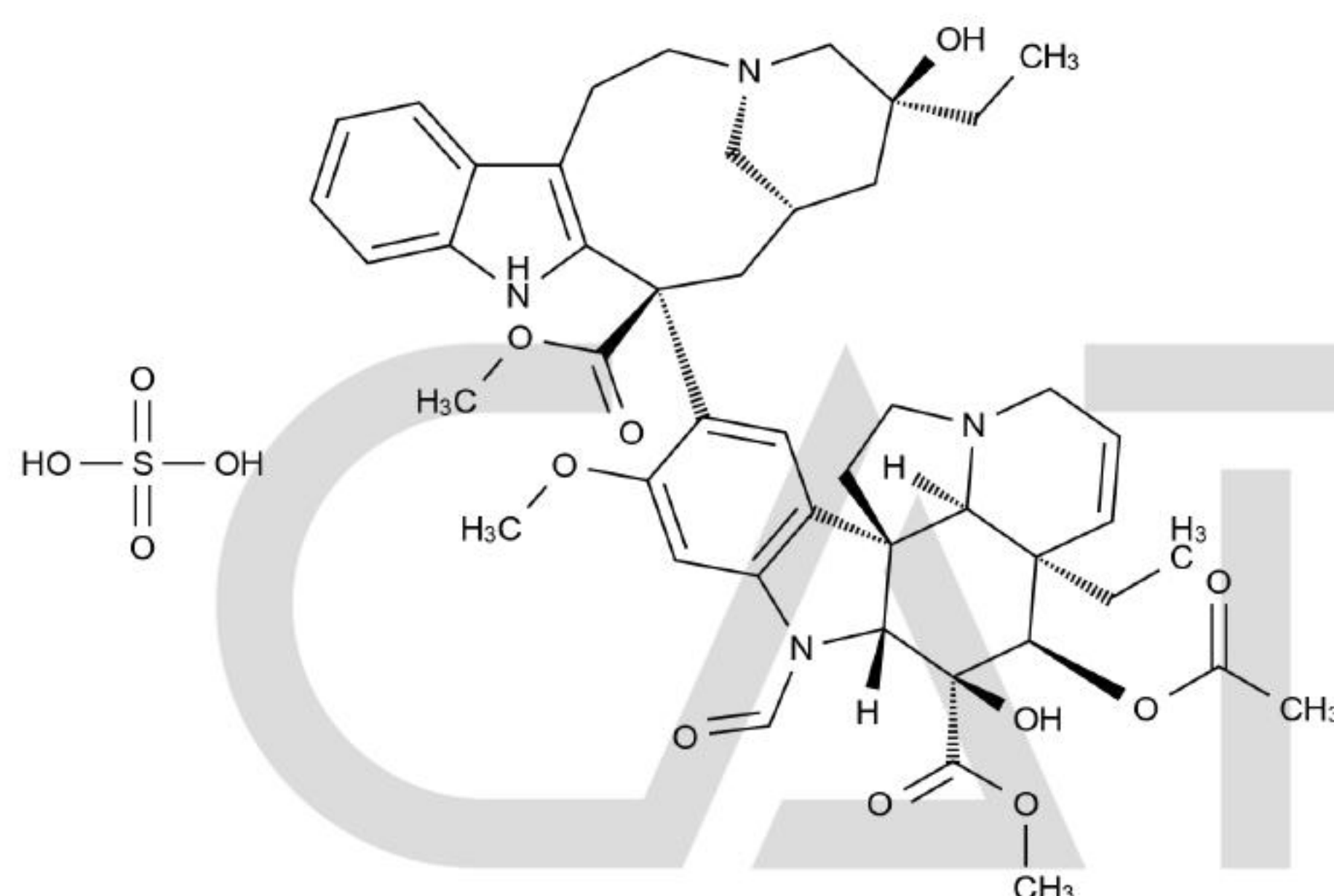
Reference Material & Standard

Product Name:	Vincristine Sulfate	Catalogue Number:	CCAD302377
Synonyms:	N/A	Lot Number:	1024-RF-0030
CAS Number:	2068-78-2	Expiry Date:	Oct 20, 2028
Molecular Formula:	C ₄₆ H ₅₆ N ₄ O ₁₀ H ₂ O ₄ S	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	824.96 98.08	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.502%
Residue on Ignition	TGA	0.3620%
Loss on Drying	TGA	5.4126%
Assay		92.8%
Uncertainty		±2.0%

Comment:

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

$$\text{Assay (\%)} = (100\% - \text{Residue on Ignition} - \text{Loss on Drying}) * \text{Purity HPLC (\%)} / 100\%$$
Residue on Ignition and Loss on Drying are considered as absolute effect, HPLC 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:

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Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Oct 24, 2024

Date: Oct 24, 2024

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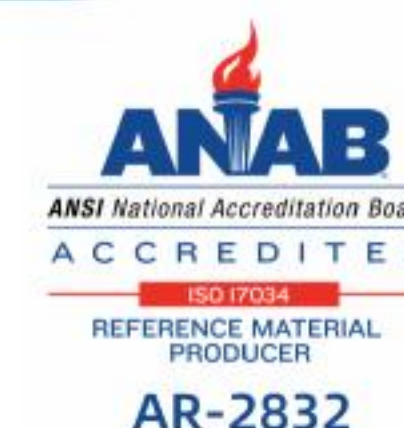
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