

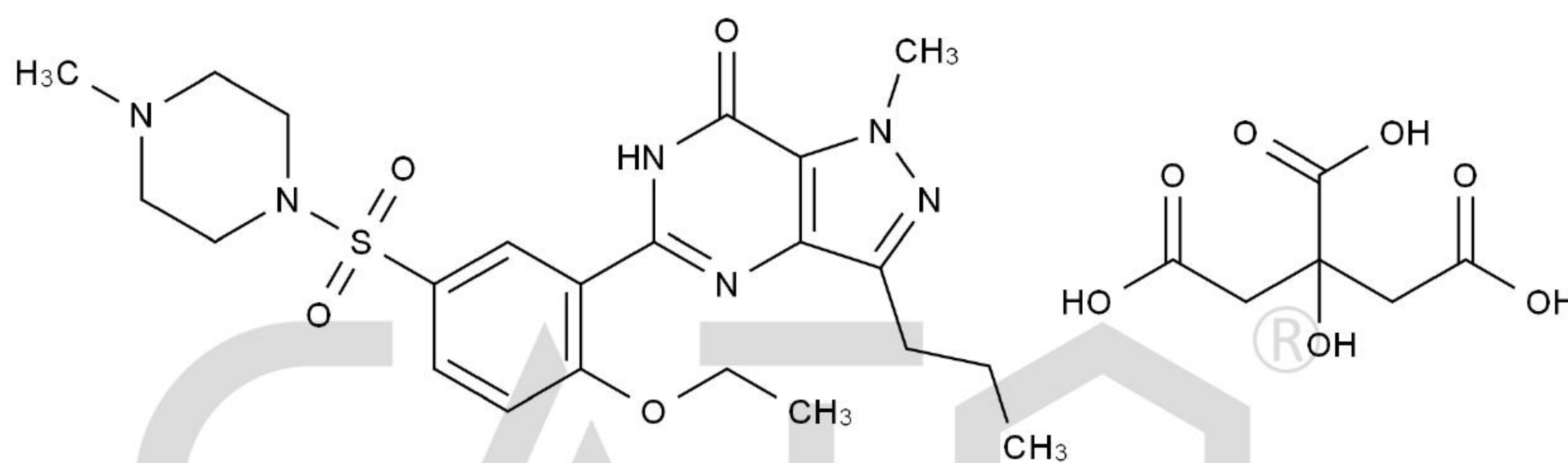
Certificate of Analysis

Reference Material & Standard

Product Name:	Sildenafil Citrate	Catalogue Number:	CCAD302880
Synonyms:	N/A	Lot Number:	0410-RG-0084
CAS Number:	171599-83-0	Expiry Date:	Apr 13, 2029
Molecular Formula:	C ₂₂ H ₃₀ N ₆ O ₄ S C ₆ H ₈ O ₇	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	474.58 192.12	Warning:	



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	100.000%
Residue on Ignition	TGA	2.3840%
Loss On Drying	TGA	0.3490%
Assay		97.3%
Uncertainty		±0.2%

Comment:

- The calculation of the 100% 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:

Nice

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Apr 14, 2025

Date: Apr 14, 2025

Date: Apr 14, 2025

