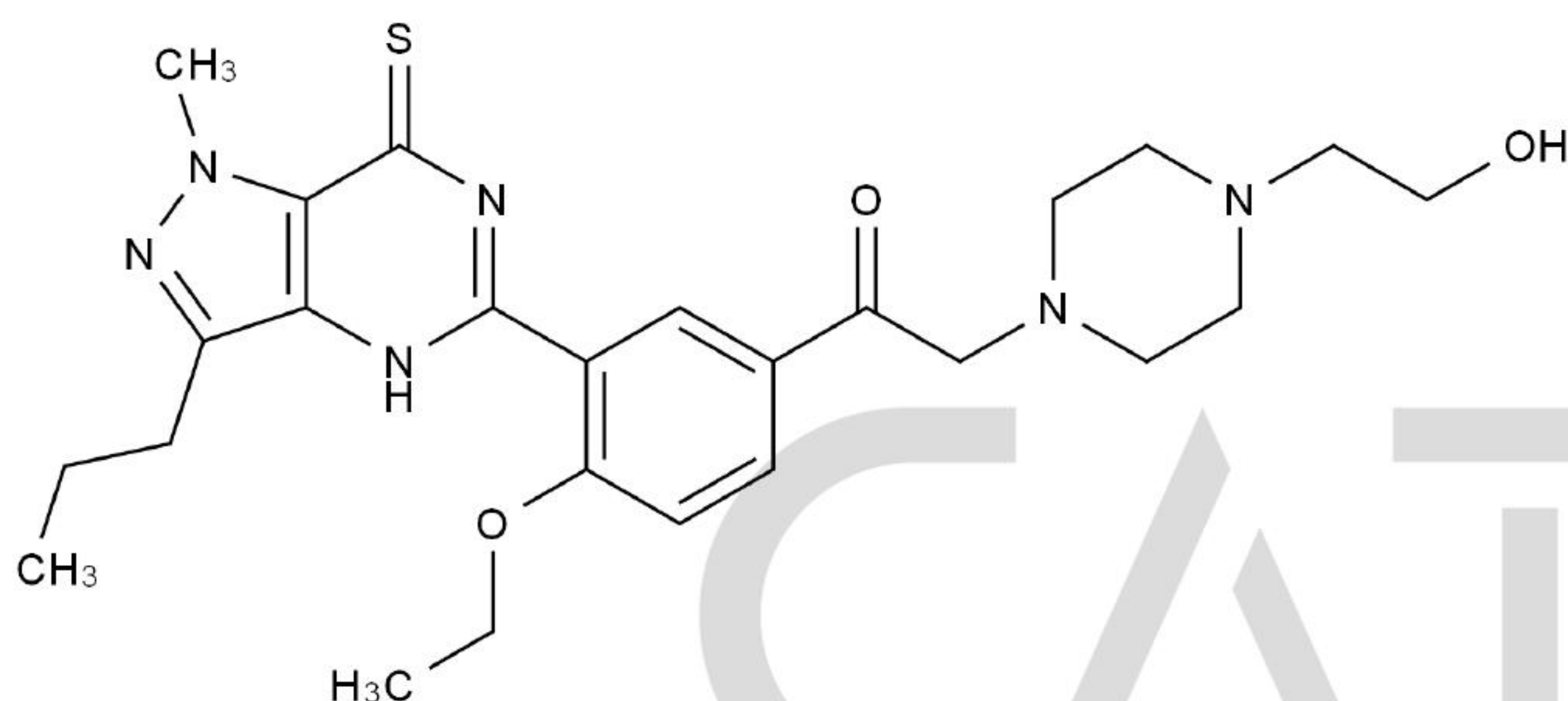


Certificate of Analysis

Reference Material & Standard

Product Name:	Hydroxythio Acetildenafil	Catalogue Number:	CCAD301321
Synonyms:	N/A	Lot Number:	0109-RE-0022
CAS Number:	1159977-47-5	Expiry Date:	Dec 22, 2025
Molecular Formula:	C ₂₅ H ₃₄ N ₆ O ₃ S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	498.64		
Chemical Structure:			



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	99.8184%
Water Content	Karl Fischer	0.2%
Residual Solvents	NMR	0.1% acetonitrile
Assay		99.5%
Uncertainty		±2.0%

Comment:

1. The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Water Content - Residual Solvents) * Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

2. 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: 吴炫校

Reviewed by: *Hinlam*

Aporoved by General Manager:

David

Date: Dec 23, 2022

Date: Jan 12, 2023

Date: Jan 12, 2023

