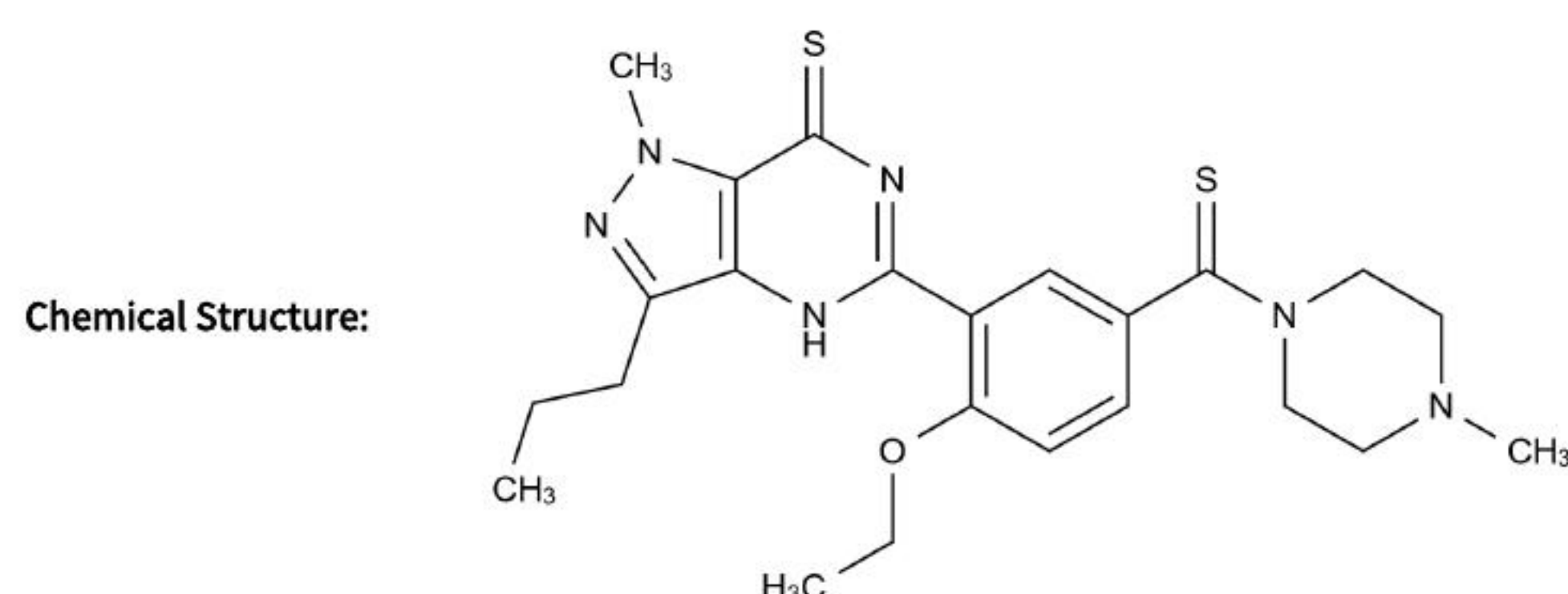


Certificate of Analysis

Reference Material & Standard

Product Name:	5-[2-Ethoxy-5-[(4-methyl-1-piperazinyl)thioxomethyl]phenyl]-1,6-dihydro-1-methyl-3-propyl-7H-pyrazolo[4,3-d]pyrimidine-7-thione	Catalogue Number:	CCAD301352
Synonyms:	N/A	Lot Number:	0113-RG-0112
CAS Number:	1333233-46-7	Expiry Date:	Jan 14, 2029
Molecular Formula:	C ₂₃ H ₃₀ N ₆ OS ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	470.65	Shipping Condition:	Shipping at Room Temperature



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.743%
Loss on Drying	TGA	0.1940%
Assay		99.5%
Uncertainty		±2.0%

Comment:

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

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

Loss on Drying is 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: Jan 15, 2025

Date: Jan 16, 2025

Date: Jan 16, 2025



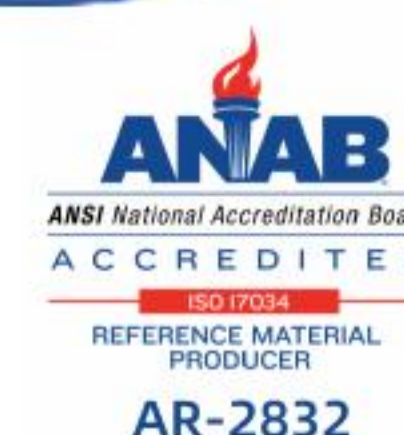
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