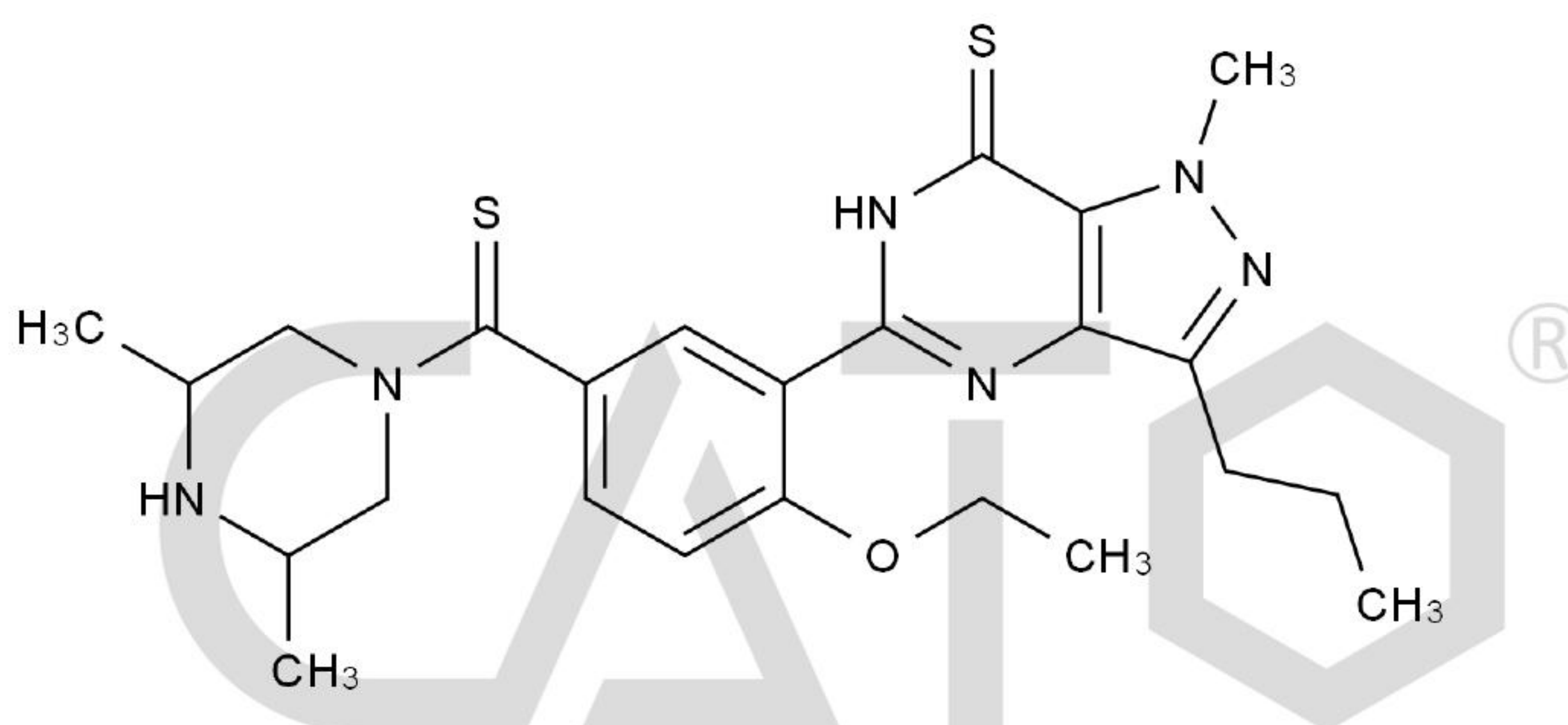


Certificate of Analysis

Reference Material & Standard

Product Name:	Sildenafil Impurity 42	Catalogue Number:	C4X-1128242
Synonyms:	N/A	Lot Number:	0417-RH-0119
CAS Number:	2146091-79-2	Expiry Date:	Apr 21, 2030
Molecular Formula:	C ₂₄ H ₃₂ N ₆ OS ₂	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	484.68	Shipping Condition:	Shipping with Ice Packs
Solubility:	Acetonitrile		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.383%
Loss on Drying	TGA	0.4680%
Assay		98.9%

Comment:

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

Assay (%) = (100% - Loss on Drying) * Purity HPLC (%) / 100%

Loss on Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Apr 22, 2026

Date: Apr 22, 2026

Date: Apr 22, 2026



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