

Certificate of Analysis

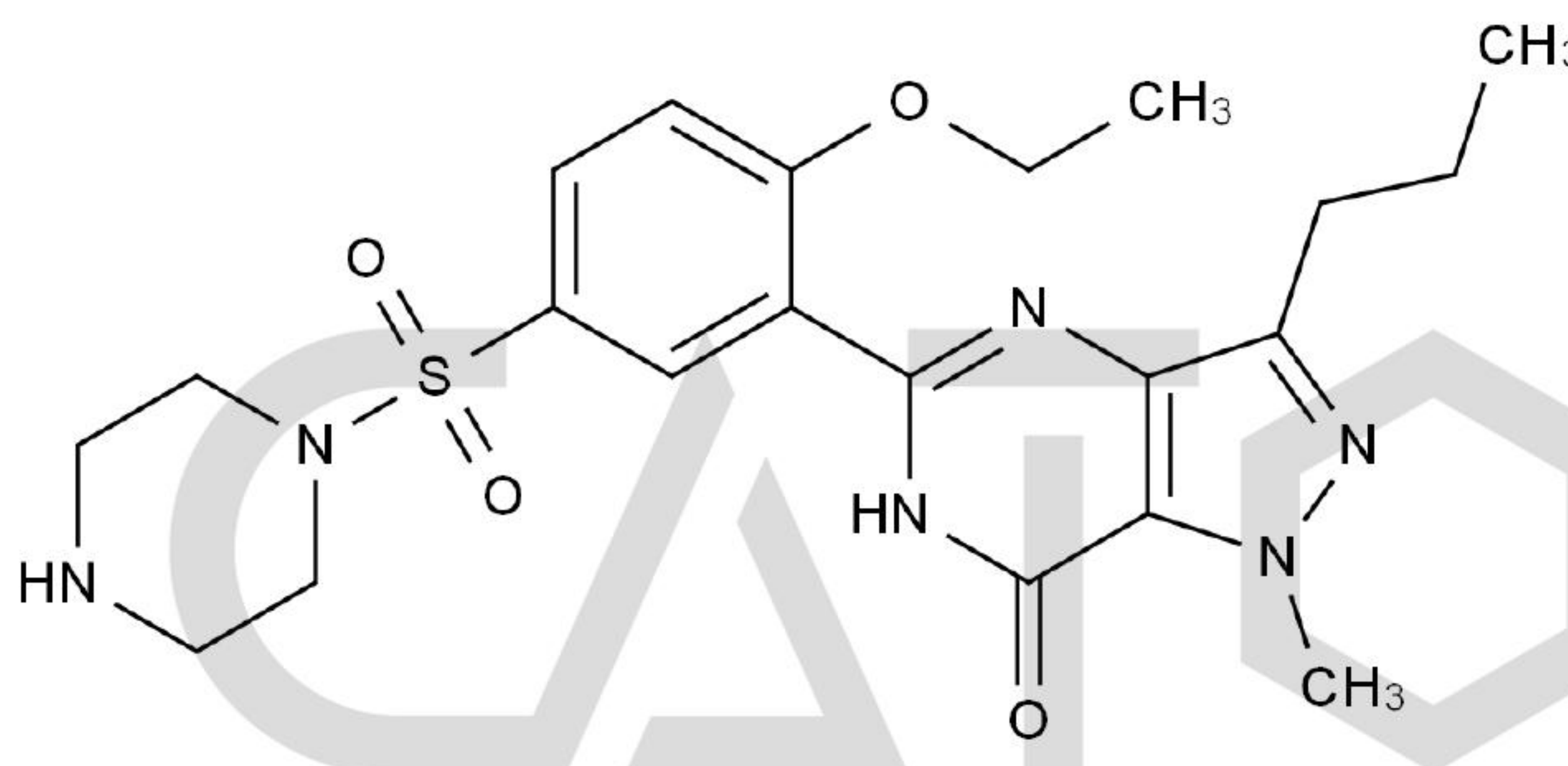
Reference Material & Standard

Product Name:	Sildenafil EP Impurity F	Catalogue Number:	C4X-112817
Synonyms:	N/A	Lot Number:	0912-RF-0015
CAS Number:	139755-82-1	Expiry Date:	Apr 17, 2028
Molecular Formula:	C ₂₁ H ₂₈ N ₆ O ₄ S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	460.55	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.608%
Loss on Drying	TGA	0.9304%
Assay		96.7%

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:

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Reviewed by:

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Approved by General Manager:

David

Date: Apr 18, 2025

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