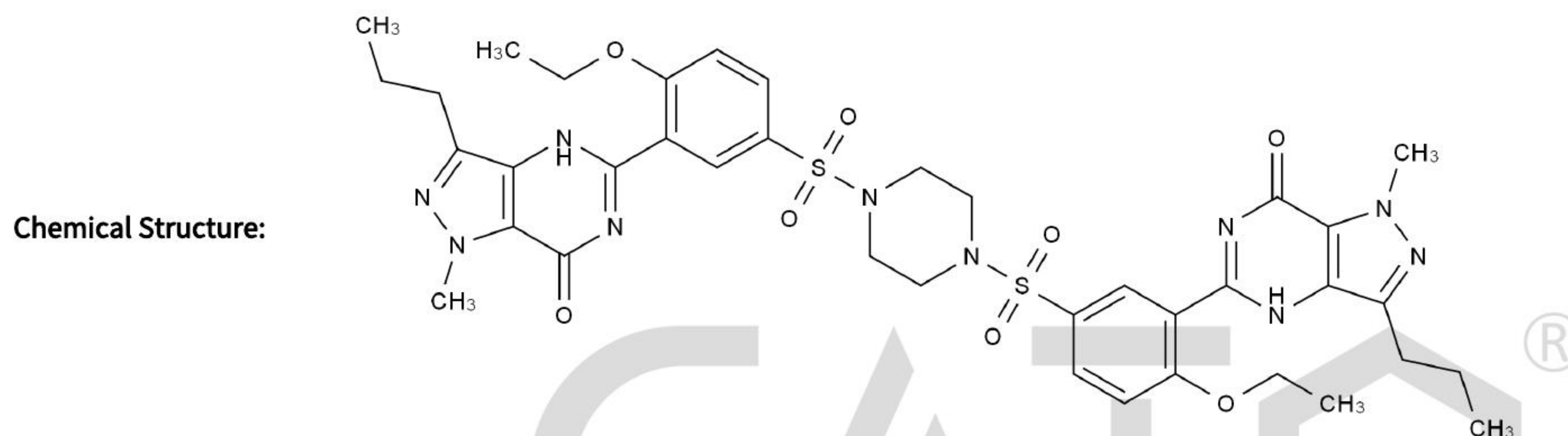


Certificate of Analysis

Reference Material & Standard

Product Name:	Sildenafil EP Impurity G	Catalogue Number:	C4X-112819
Synonyms:	5,5'-[(Piperazine-1,4-disulfonyl)bis(6-ethoxy-3,1-phenylene)]bis(1-methyl-3-propyl-1,6-dihydro-7H-pyrazolo[4,3-d]pyrimidin-7-one)	Lot Number:	0416-RH-0055
CAS Number:	1346602-67-2	Expiry Date:	May 07, 2030
Molecular Formula:	C ₃₈ H ₄₆ N ₁₀ O ₈ S ₂	Storage:	2°C ~ 8°C Sealed
Molecular Weight:	834.96	Shipping Condition:	Shipping at Room Temperature
Solubility:	Soluble in DMSO		



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	98.137%
Residue on Ignition	TGA	0.5977%
Loss on Drying	TGA	0.9759%
Assay	qNMR	96.2%
Assay	Mass Balance	96.6%

Comment:

- The retest date of this product is May 07, 2029.
- The calculation of the mass balance 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.

Signature:

Prepared by:

Koi

Reviewed by:

Alice

Approved by General Manager:

David

Date: May 08, 2026

Date: May 08, 2026

Date: May 08, 2026



Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

