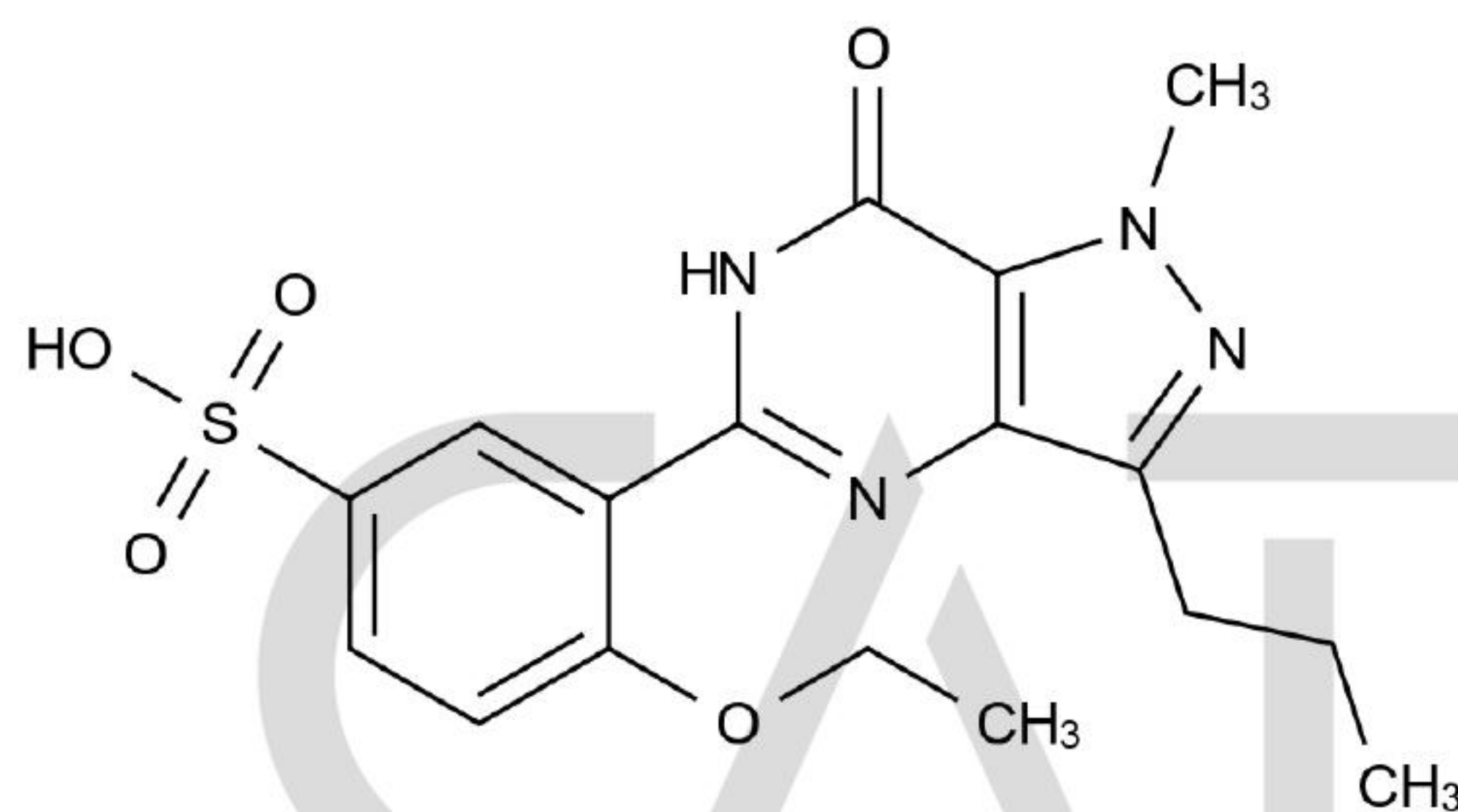


Certificate of Analysis

Reference Material & Standard

Product Name:	Sildenafil EP Impurity D	Catalogue Number:	C4X-112820
Synonyms:	4-Ethoxy-3-(6,7-dihydro-1-methyl-7-oxo-3-propyl-1H-pyrazolo[4,3-d]pyrimidin-5-yl)benzenesulfonic acid	Lot Number:	0721-RH-0051
CAS Number:	1357931-55-5	Expiry Date:	Aug 02, 2030
Molecular Formula:	C ₁₇ H ₂₀ N ₄ O ₅ S	Storage:	2°C ~ 8°C Sealed
Molecular Weight:	392.43	Shipping Condition:	Shipping at Room Temperature
Solubility:	Soluble in DMSO		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	99.463%
Residue on Ignition	TGA	5.1274%
Loss on Drying	TGA	2.3138%
Assay	qNMR	92.0%
Assay	Mass Balance	92.1%

Comment:

- The retest date of this product is Aug 02, 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: Sep 17, 2026

Date: Sep 17, 2026

Date: Sep 17, 2026



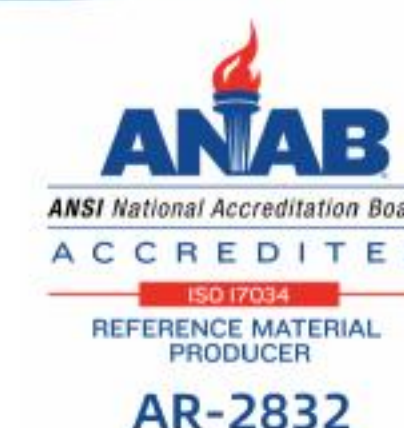
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