

Analysis Date: 22-09-2025

Re-test Date: 22-09-2028

SILDENAFIL IMPURITY 3

Identification

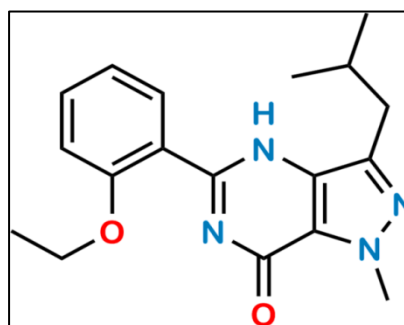
Chemical Name : 5-(2-Ethoxyphenyl)-3-isobutyl-1-methyl-1,4-dihydro-7H-pyrazolo[4,3-d]pyrimidin-7-one

CAT No : ALL-SILD-27

CAS No : 1467610-65-6

Molecular Formula : C₁₈H₂₂N₄O₂

Molecular Weight : 326.4



Analytical Information

Batch Code	: ALL-SILD-27	HPLC Purity	: 98.00%
Solubility	: USP Diluent / EP Diluent (MEOH)	Potency	: 97.26%
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: -20°C	IR Analysis	: Confirm
Weight Loss By TGA	: 0.275%	¹HNMR	: Confirm
Residue Of Ignition	: 0.476%		

Additional Information

%Potency = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =
 [100 - (0.275+0.476) × 98.00]/100 = 97.26%

Recommendation : Released

	Department	Name	Signature
Prepared and Reviewed by	Analytical	Mr. Vipul khadase Jr. Executive	
Approved By	QA&QC	Dr. Ashish Keche Director QA&QC	

Attachment : HPLC, Mass, ¹H NMR, IR, TGA

Shipping Condition : All Product are stable to be shipped at room temperature, unless otherwise specified

Corporate Office