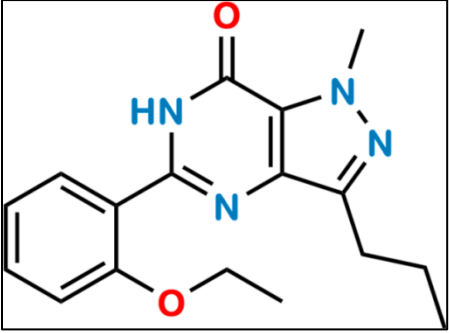


Analysis Date: 22-09-2028

Re-test Date: 22-09-2028

## SILDENAFIL LACTAM IMPURITY

### Identification

<b>Chemical Name</b>	: 5-(2-Ethoxyphenyl)-1-methyl-3-propyl-1,6-dihydro-7H-pyrazole[4,3-d]pyrimidine-7-one	
<b>CAT No</b>	: ALL-SILD-18	
<b>CAS No</b>	: 139756-21-1	
<b>Molecular Formula</b>	: C17H20N4O2	
<b>Molecular Weight</b>	: 312.37	

### Analytical Information

<b>Batch Code</b>	: ALL-SILD-18	<b>HPLC Purity</b>	: 98.00%
<b>Solubility</b>	: MeOH: ACN	<b>Potency</b>	: 96.58%
<b>Appearance of Product</b>	: Off White Solid	<b>Mass</b>	: Confirm
<b>Long Term Storage</b>	: 2-8 0C	<b>IR Analysis</b>	: Confirm
<b>Weight Loss By TGA</b>	: 0.223 %	<b>1HNMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 1.214 %		

### Additional Information

$$\%Potency = [100 \% - (\text{Weight Loss By TGA \%} + \text{Residue Of Ignition \%}) \times \text{Chromatographic Purity\%}] / 100 =$$

$$[100 - (0.223 + 1.214) \times 98.00] / 100 = 96.58\%$$

**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