

Analysis Date: 26-08-2024

Re-test Date: 26-08-2027

## TADALAFIL EP IMPURITY A

### Identification

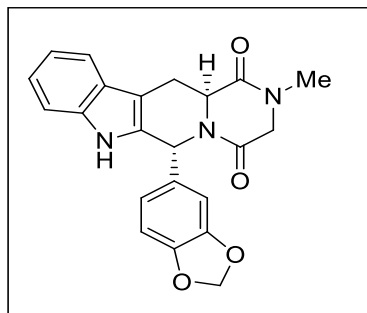
**Chemical Name** : (6R,12aS)-6-(1,3-benzodioxol-5-yl)-2-methyl-2,3,6,7,12,12a-hexahydropyrazino[1',2':1,6] pyrido[3,4-b]indole-1,4-dione

**CAT No** : ALL-TAD-2333

**CAS No** : 171596-27-3

**Molecular Formula** : C<sub>22</sub>H<sub>19</sub>N<sub>3</sub>O<sub>4</sub>

**Molecular Weight** : 389.4



### Analytical Information

<b>Batch No.</b>	: ALL-TAD-2333	<b>HPLC Purity</b>	: 99.70 %
<b>Solubility</b>	: MeOH: ACN	<b>Potency</b>	: 99.01 %
<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>	: 0.541 %	<b><sup>1</sup>H NMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 0.143 %		

### Additional Information

%Potency = [100 - ( Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity% ]/100 =  
 [100 - (0.541+0.143) × 99.70]/100 = 99.01 %

**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, <sup>1</sup>H NMR, IR, TGA

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

#### Corporate Office