

Analysis Date: 14-10-2025

Re-test Date: 14-10-2025

## TADALAFIL IMPURITY 22

### Identification

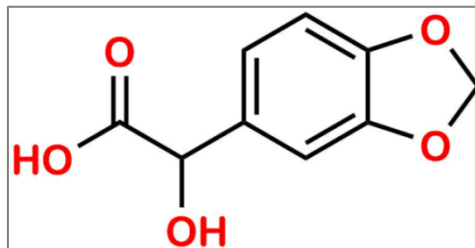
**Chemical Name** : 2-(Benzo[d][1,3]dioxol-5-yl)-2-hydroxyacetic acid

**CAT No** : ALL-T06056

**CAS No** : 27738-46-1

**Molecular Formula** : C<sub>9</sub>H<sub>8</sub>O<sub>5</sub>

**Molecular Weight** : 196.2



### Analytical Information

<b>Batch No.</b>	: ALL-T06056	<b>HPLC Purity</b>	: 98.00%
<b>Solubility</b>	: MeOH: ACN	<b>Potency</b>	: 95.14%
<b>Appearance of Product</b>	: Off White Solid	<b>Mass</b>	: Confirm
<b>Long Term Storage</b>	: 2-8 <sup>o</sup> C	<b>IR Analysis</b>	: Confirm
<b>Weight Loss By TGA</b>	: 1.256 %	<b><sup>1</sup>HNMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 1.658 %		

### Additional Information

**%Potency** = [100 -( Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =  
 [100 – (1.256 + 1.658) × 98.00]/100= 95.14%

**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