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## CERTIFICATE OF ANALYSIS

Analysis Date:

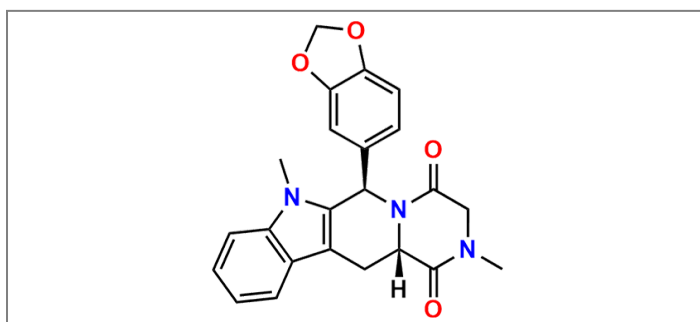
Re-test Date:

**Product Name: Tadalafil Impurity 53**

### Identification:

Chemical Name: (6R,12aS)-6-(Benzo[d][1,3]dioxol-5-yl)-2,7-dimethyl-2,3,6,7,12,12a-hexahydropyrazino[1',2':1,6]pyrido[3,4-b]indole-1,4-dione

Synonyms : NA  
CAS Number : 477970-20-0  
CAT Number : CP-T31148  
Molecular Formula : C<sub>23</sub>H<sub>21</sub>N<sub>3</sub>O<sub>4</sub>  
Molecular Weight : 403.44



### Analytical Information:

Sr. No.	Test	Result
1)	Description	Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	>95%
5)	H1NMR	Confirm to structure



**Prepared and Reviewed By**



Ms Priyanka Salunkhe  
(Manager QC Analytical)

**Approved By**



Ms Rohini Gagare  
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.