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## CERTIFICATE OF ANALYSIS

Analysis Date: Nov 2023

Re-test Date: Oct 2026

**Product Name: 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 (as per EP)

Synonyms : cis-Tadalafil ; 6R,12aS  
diastereomer

CAS Number : 171596-27-3

CAT Number : CP-T31001

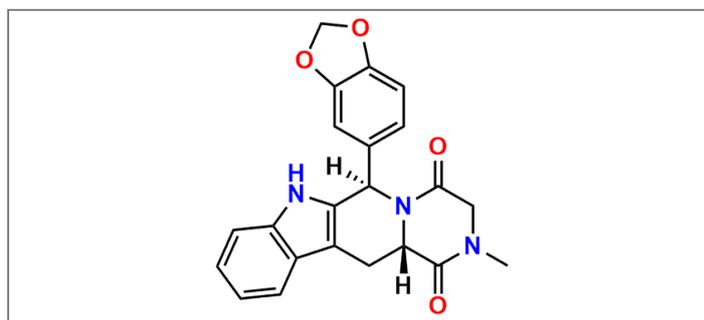
Molecular Formula : C<sub>22</sub>H<sub>19</sub>N<sub>3</sub>O<sub>4</sub>

Molecular Weight : 389.41

Batch Number : CHEM-TAD-A

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



### Analytical Information:

Sr. No.	Test	Result
1)	Description	Pale Yellow to Brown Solid
2)	Solubility	Soluble in ACN:H <sub>2</sub> O (8:2) /DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.52%
5)	H1NMR	Confirm to structure
6)	13CNMR	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.