

## CERTIFICATE OF ANALYSIS

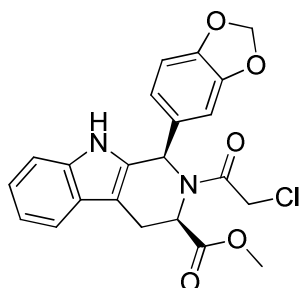
Reference Substance

Date:

**Tadalafil impurity-C (In House)****Catalogue no.: VL300009**

Batch No.:

IUPAC Name: (1R,3R)-Methyl-1-(Benzo[d][1,3]dioxol-5-yl)-2-(2-chloroacetyl)-2,3,4,9-tetrahydro-1H-pyrido[3,4-b]indole-3-carboxylate.



Molecular Weight: 426.85g/mol

Molecular Formula: C<sub>22</sub>H<sub>19</sub>ClN<sub>2</sub>O<sub>5</sub>

Sr.#	Test	Results	Data ref.
1	Appearance	Pale yellow solid	-----
2	Purity by HPLC	99.52%	Chromatogram attached
3	Mass	Conform	Report attached
4	<sup>1</sup> H NMR	Conform	Report attached

**Storage condition:** Store at 2-8°C, protect from direct sunlight and moisture.

This certificate of analysis is valid for three years from date of manufacturing provided the substance is stored under suitable conditions.

**Date of manufacturing:****Retest Date:****Document data reference:***Prepared by**Reviewed by**Approved by*