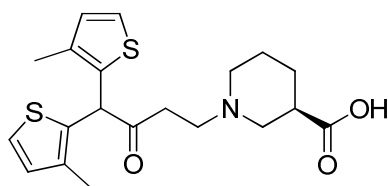


## CERTIFICATE OF ANALYSIS OF REFERENCE STANDARD

Reference Standard

Date

**Tigabine Keto Impurity/ Tiagabine related Impurity****Catalogue no.:** VL141005**Batch No.****IUPAC Name:** (R)-1-(4, 4-bis (3-methylthiophen-2-yl)-3-oxobutyl) piperidine-3-carboxylic acid.

Molecular Weight: 391.55 g/mol

Molecular Formula: C<sub>20</sub>H<sub>25</sub>NO<sub>3</sub>S<sub>2</sub>

Sr.#	Test	Results	Data ref.
1	Appearance	Brown Colour Solid	-----
2	Purity by HPLC	86.80%	Chromatogram attached
3	Mass	Conform	Report attached
4	NMR	Conform	Report attached

**Note: solubility of this compound is in Methanol only.****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*