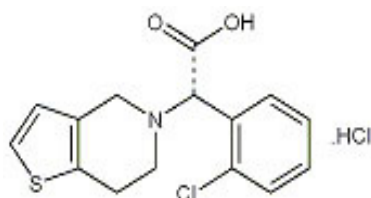


CERTIFICATE OF ANALYSIS OF REFERENCE STANDARD

Reference Standard

Date:

Clopidogrel Related Compound A/Clopidogrel EP impurity A**Catalogue No.: VL31003****Batch No.:****IUPAC Name:** (+)-*S*-(*o*-Chlorophenyl)-6,7-dihydrothieno[3,2-*c*]pyridine-5(4*H*)-acetic acidMolecular Formula: C₁₅H₁₄ClNO₂S.HCl

Molecular weight: 343.80 (Salt)

307.80 (Free Base)

Sr.#	Test	Results	Data ref.
1	Appearance	White Solid Powder	-----
2	Purity by HPLC	98.54%	Chromatogram attached
3	Mass	Conform	Report attached
4	NMR	Conform	Report attached

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

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

Manufacturing date:**Retest Date:****Document data reference:***Prepared by**Reviewed by**Approved by*