

CERTIFICATE OF ANALYSIS OF REFERENCE STANDARD

Reference Standard

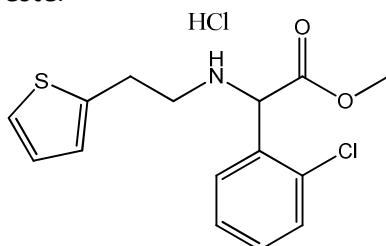
Date:

Clopidogrel Impurity -3

Catalogue No.: VL31008

Batch No.:

IUPAC Name: 2-Chloro-a-[[2-(2-thienyl)-ethyl]-amino]-benzeneacetic acid hydrochloride methyl ester

Molecular Formula: C₁₅H₁₆ClNO₂S . HCl

Molecular weight: 309.81 g/mol (Free base)

Sr.#	Test	Results	Data ref.
1	Appearance	White Solid	-----
2	Purity by HPLC	96.45%	Chromatogram attached
3	Mass	Conform	Report attached
4	¹ H NMR	Conform	Report attached

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

This certificate of analysis is valid for three 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*