

CERTIFICATE OF ANALYSIS

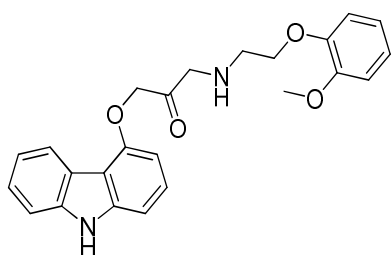
Reference Substance

Date

Carvedilol Keto Impurity / Carvedilol Impurity-5

Batch No.:

IUPAC Name: 1-(2-(2-Methoxy phenoxy) Ethyl amino)-3-(9H-carbazol-8 yloxy) propane-2-one



Molecular Weight: 404.46 g/mol

Molecular Formula: C₂₄H₂₄N₂O₄

Sr.#	Test	Results	Data ref.
1	Appearance	Dark brown sticky solid	-----
2	Purity By HPLC	92.52%	Report attached
3	Mass	Conform	Report attached
4	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*