

CERTIFICATE OF ANALYSIS OF REFERENCE STANDARD

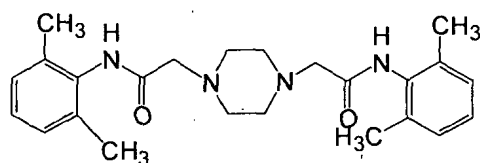
Reference Standard

Date

**Ranolazine Bis -2,6- DMPAC Methyl Piperazine Impurity/Ranolazine related compound
D/Ranolazine dimer**

Batch No.:

IUPAC Name: 2,2-(piperazine -1,4-diyl)bis(N-(2,6-dimethylphenyl)acetamide)


 Molecular Formula: C₂₄H₃₂N₄O₂

Molecular weight: 408.54/mol

Sr.#	Test	Results	Data ref.
1	Appearance	Off White solid	-----
2	Purity by HPLC	99.89%	Chromatogram attached
3	Mass	Conform	Report attached
4	NMR	Conform	Report attached
5	IR	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.

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