

## CERTIFICATE OF ANALYSIS

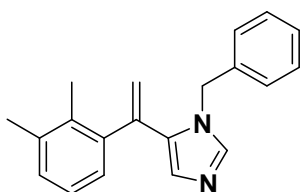
Reference Substance

Date:

**Dexmedetomidine Impurity-5**

Batch No.:

IUPAC Name: 1-benzyl-5-(1-(2,3-dimethylphenyl)vinyl)-1H-imidazole



Molecular Weight: 288.39 g/mol

Molecular Formula: C<sub>20</sub>H<sub>20</sub>N<sub>2</sub>

Sr.#	Test	Results	Data ref.
1	Appearance	Sticky liquid	-----
2	Purity by HPLC	83.95%	Chromatogram attached
3	Mass	Conform	Report attached
4	<sup>1</sup> H NMR	Conform	Report attached

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

This certificate of analysis is valid for two 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*