

## CERTIFICATE OF ANALYSIS

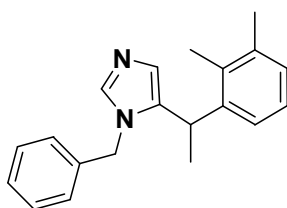
Reference Substance

Date:

**Dexmedetomidine Impurity-4**

Batch No.:

IUPAC Name: 1-Benzyl-5-[-1-(2,3-dimethyl phenyl)ethyl]-1H-imidazole



Molecular Weight: 290.4 g/mol

Molecular Formula: C<sub>20</sub>H<sub>22</sub>N<sub>2</sub>

Sr.#	Test	Results	Data ref.
1	Appearance	Pale brown oil	-----
2	Purity by HPLC	95.38%	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*