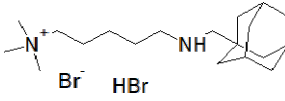


# Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB0338	
Compound name	IEM-1460	
Chemical name	N,N,N-Trimethyl-5-[(tricyclo[3.3.1.1.13,7]dec-1-ylmethyl)amino]-1-pentanaminium bromide hydrobromide	
Batch number	E0790-6-2	
Batch molecular formula	C <sub>19</sub> H <sub>37</sub> N <sub>2</sub> Br.HBr.2H <sub>2</sub> O	
Batch molecular weight	490.36	
Method	QC requirement	QC Result
NMR	<sup>1</sup> H NMR in MeOD at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray positive analysis consistent with structure	Meets specification
TLC	TLC analysis in 50% PAW/BuOH shows one spot under ninhydrin	Meets specification: R <sub>f</sub> =0.7
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in water (100 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

10-08-18

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.