

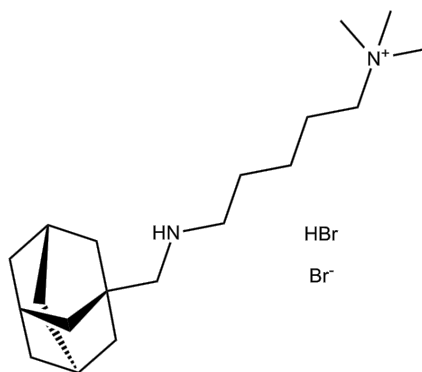
## Certificate of Analysis

Product Name: IEM 1460  
Cat. No.: GC14140  
Batch No.: 2  
Chemical Name: 5-(((1s,3R,5S,7s)-adamantan-1-ylmethyl)amino)-N,N,N-trimethylpentan-1-aminium bromide hydrobromide

### PHYSICAL AND CHEMICAL PROPERTIES

Cas. No.: 121034-89-7  
Molecular Formula:  $C_{19}H_{37}N_2Br \cdot HBr$   
Molecular Weight: 454.33  
Storage: Store at  $-20^{\circ}C$

Chemical Structure:



### ANALYTICAL DATA

Appearance: A solid  
HNMR: Consistent with structure  
HPLC: Consistent with structure  
Purity: >98.00%  
Conclusion: The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA