



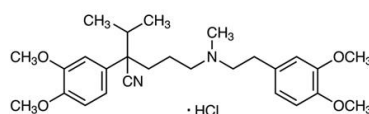
## Certificate of Analysis.

### Verapamil HCl.

Product code:	<b>BS15662.</b>
Description:	<b>Verapamil HCl.</b>
Chemical Name:	<b>5-[(3,4-Dimethoxyphenethyl)methylamino]-2-(3,4-dimethoxyphenyl)-2-isopropylvaleronitrile Hydrochloride.</b>
Pack:	<b>100 mg.</b>
CAS NO.:	<b>152-11-4.</b>
Mol. Weight:	<b>491.07 g/mol.</b>
Mol. Formula:	<b>C<sub>27</sub>H<sub>38</sub>N<sub>2</sub>O<sub>4</sub>·HCl.</b>
MDL Number:	<b>MFCD00055208.</b>
Melting point:	<b>145 °C.</b>
Boiling Point:	<b>235 °C.</b>
Solubility:	<b>Soluble in methanol, water.</b>
Storage:	<b>Store at ambient temperature.</b>
Batch No:	<b>Sample.</b>
Manufacture Date:	<b>Lot specific.</b>
Expiry Date:	<b>3 years.</b>

Test	Specification	Measured Values
Appearance:	White to Almost white powder to crystal.	<b>Lot specific.</b>
Identification by NMR:	Confirms to the structure.	<b>Lot specific.</b>
Identification by MASS:	Confirms to the structure.	<b>Lot specific.</b>
Identification by IR:	Confirms to the structure.	<b>Lot specific.</b>
Purity by HPLC:	>95%.	<b>Lot specific.</b>

Please Note: - This material is only for laboratory purpose and not for human consumption. This is a computer generated COA, no stamp or signature is required.



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