



## Certificate of Analysis

Product Name	Metoprolol Tartrate
Catalog No.	V1153
Batch No.	V1153

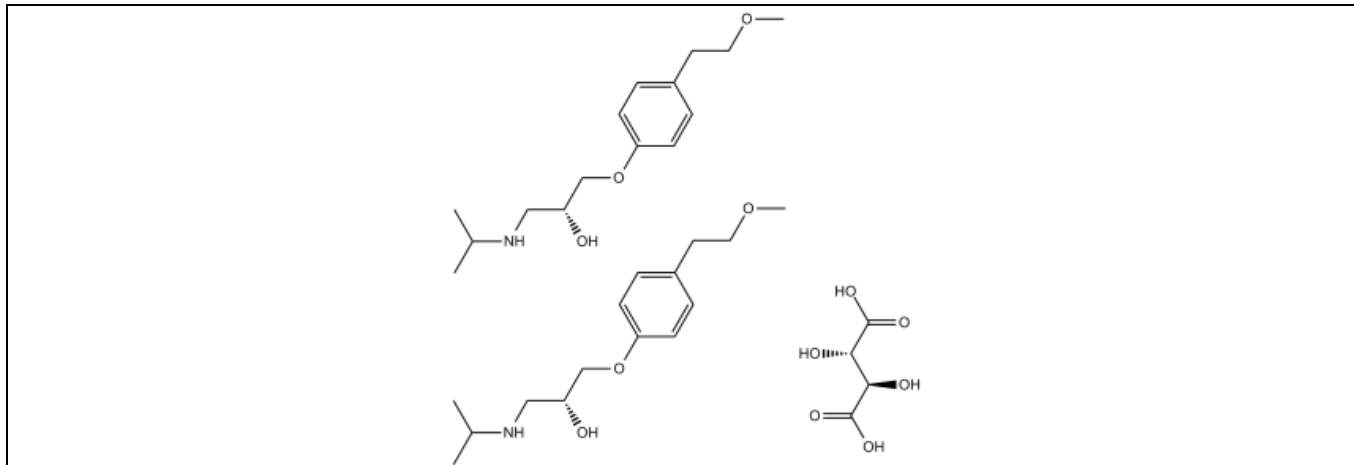
### 1. Physical and Chemical Properties

Appearance	Powder
Molecular Formula	2C <sub>15</sub> H <sub>25</sub> NO <sub>3</sub> .C <sub>4</sub> H <sub>6</sub> O <sub>6</sub>
Molecular Weight	684.81
Purity	≥98.0%
CAS No.	56392-17-7

### 2. Analytical Data

HPLC	Indicates ≥98.0% purity
NMR	Consistent with structure
Mass Spectrum	Consistent with structure

### 3. Structure



### 4. Storage Condition

Short term storage (weeks)	0 - 4 °C under dry condition
Long term storage (months)	-20 °C under dry condition

Products are for research use only • Not for human or veterinary use