



Certificate of Analysis

Product Name	Metoprolol Tartrate
Catalog No.	V1153
Batch No.	V115303

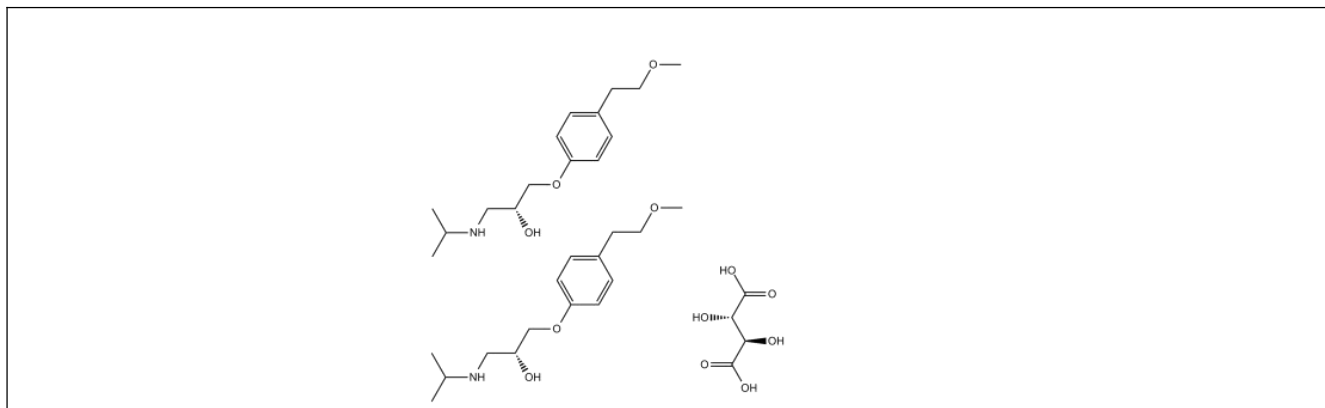
1. Physical and Chemical Properties

Appearance	Powder
Molecular Formula	$2C_{15}H_{25}NO_3 \cdot C_4H_6O_6$
Molecular Weight	684.81
Purity	$\geq 98\%$
CAS No.	56392-17-7
Production Date	06/30/2023

2. Analytical Data

HPLC	Indicates $\geq 98\%$ 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 for six weeks
Long term storage (months)	-20 °C under dry condition for three years

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