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## CERTIFICATE OF ANALYSIS

Analysis Date: Jun 2025

Re-test Date: May 2028

**Product Name: Metoprolol EP Impurity O**

### Identification:

Chemical Name: Mixture of the 3 stereoisomers of 1,1'-[(1-methylethyl)imino]bis[3-[4-(2-methoxyethyl)phenoxy]propan-2-ol] Hydrochloride (as per EP)

Synonyms : Metoprolol USP Related  
Compound D

CAS Number : 1486464-40-7

CAT Number : CP-M17014

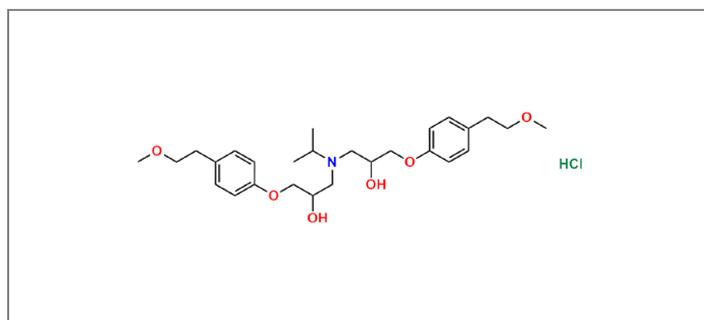
Molecular Formula : C<sub>27</sub>H<sub>41</sub>NO<sub>6</sub> : HCl

Molecular Weight : 475.6 : 36.46

Batch Number : CP-MET-O-0525

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



### Analytical Information:

Sr. No.	Test	Result
1)	Description	White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.94%
5)	<sup>1</sup> HNMR	Confirm to structure
6)	Weight loss by TGA	1.206%
7)	Potency by TGA	98.73%



**Prepared and Reviewed By**



Ms Priyanka Salunkhe  
(Quality Control)

**Approved By**



Ms Rohini Gagare  
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.