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### CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Metoprolol EP Impurity J**

#### Identification:

Chemical Name: 1-[2-Hydroxy-3-[4-(2-methoxyethyl)phenoxy]propoxy]-3-[(1-methylethyl)amino]-2-propanol

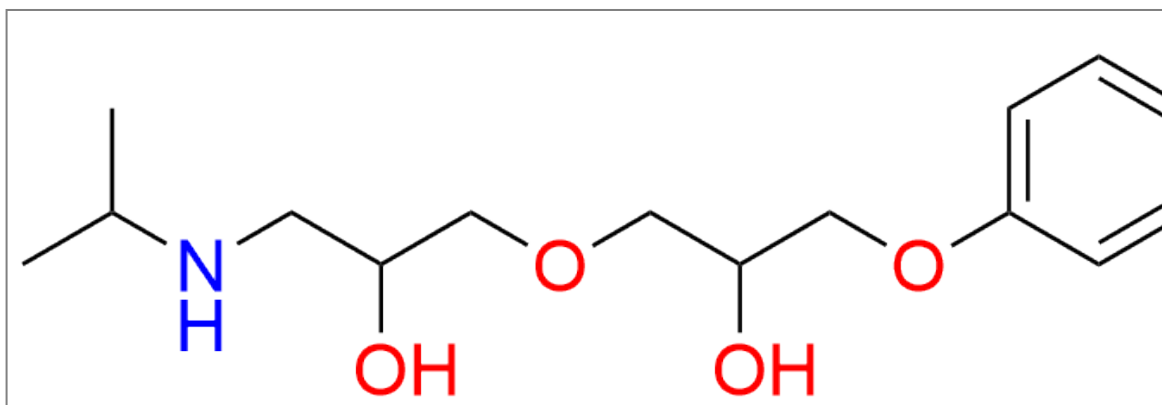
Synonyms : NA

CAS Number : 163685-37-8

CAT Number : CP-M17010

Molecular Formula : C<sub>18</sub>H<sub>31</sub>NO<sub>5</sub>

Molecular Weight : 341.45



#### Analytical Information:

Sr. No.	Test	Result
1)	Description	Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	>95%
5)	H1NMR	Confirm to structure

#### Prepared and Reviewed By

#### Approved By



Ms Priyanka Salunkhe  
(Manager QC Analytical)

Ms Rohini Gagare  
(QA Head)

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