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### CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Bisoprolol EP impurity F**

#### Identification:

Chemical Name: 2-(4-((2-isopropoxyethoxy)methyl)phenoxy)-3-(isopropylamino)propan-1-ol fumarate

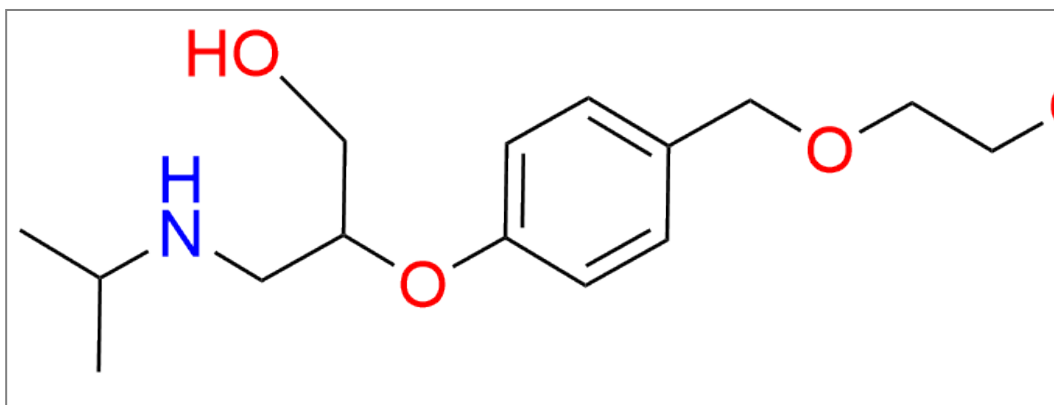
Synonyms : NA

CAS Number : 2470233-28-2

CAT Number : CP-B14006

Molecular Formula : C<sub>18</sub>H<sub>31</sub>NO<sub>4</sub>:C<sub>4</sub>H<sub>4</sub>O<sub>4</sub>

Molecular Weight : 325.4 : 116.1



#### 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.