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## CERTIFICATE OF ANALYSIS

Analysis Date: Apr 2024

Re-test Date: Mar 2026

**Product Name: Bisoprolol N-Aldehyde**

### Identification:

Chemical Name: Rac-N-(propan-2-yl)-N-{2-hydroxy-3-[(4-{[2-(propan-2-yloxy)ethoxy]methyl}phenyl)oxy]propyl} formamide

Synonyms : N-Formyl Bisoprolol

CAS Number : 1447715-45-8

CAT Number : CP-B14022

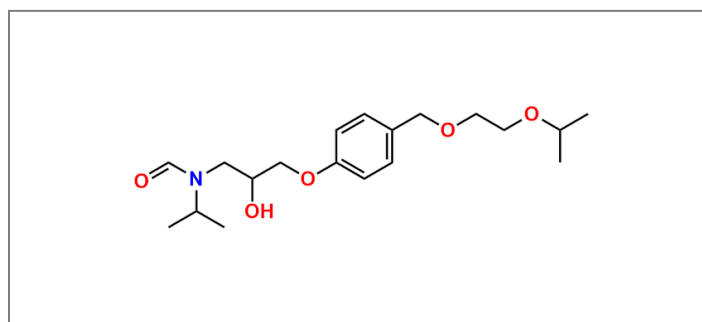
Molecular Formula : C<sub>19</sub>H<sub>31</sub>NO<sub>5</sub>

Molecular Weight : 353.45

Batch Number : CP-BIS-NAL-0424

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	Colorless Oil
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	92.47%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to structure
7)	Weight loss by TGA	0.101%
8)	Potency by TGA	92.36%



Prepared and Reviewed By

Ms Priyanka Salunkhe  
(Manager QC Analytical)

Approved By

Ms Rohini Gagare  
(QA Head)

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