



CERTIFICATE OF ANALYSIS

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1. Identification

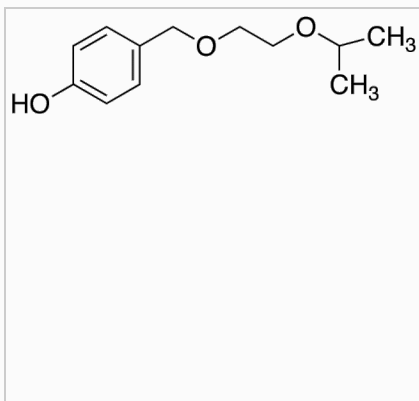
Catalogue Number: I823300

CAS Number: 177034-57-0

Product: 4-[(2-Isopropoxyethoxy)methyl]phenol

Synonym: 4-[[2-(1-Methylethoxy)ethoxy]methyl]phenol, Bisoprolol Impurity; Bisoprolol EP Impurity M

Structure:



Molecular Formula:

C₁₂H₁₈O₃

Molecular weight:

210.27

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly), Ethyl Acetate (Slightly), Methanol (Slightly)

Lot Number: 5-JAB-151-5

Purity: 95%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Colourless to Light Yellow Oil	Pale Yellow Oil
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 66.63, %H: 9.03
HPLC Purity	Report Result	96.77% (225 nm)

Additional Information: Contains: ~4.6% 2-Isopropoxyethanol

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Nicole Yip	Toni Rantanen	Chanell Chu	6/28/2022	6/26/2026