



CERTIFICATE OF ANALYSIS

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1. Identification

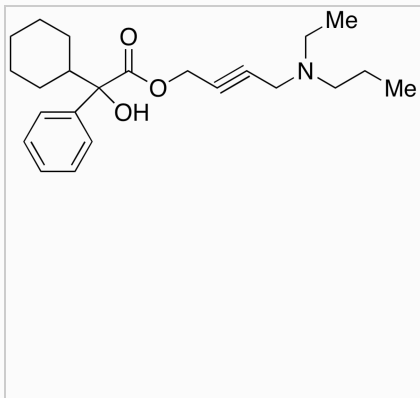
Catalogue Number: D289500

CAS Number: 1215677-72-7

Product: N-Desethyl-N-propyl Oxybutynin

Synonym: α -Cyclohexyl- α -hydroxybenzeneacetic Acid 4-(Ethylpropylamino)-2-butyne-1-yl Ester; Oxybutynin EP Impurity E;

Structure:



Molecular Formula:

$C_{23}H_{33}NO_3$

Molecular weight:

371.51

Source of Product:

Synthetic

Solubility:

Acetone, Chloroform (Slightly), DMF, Hexane (Slightly), Methanol (Slightly)

Lot Number: 1-ZAM-70-1

Purity: 98%

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

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Off-White to Pale Beige Oil to Low-Melting Solid	Off-White to Pale Beige Low-Melting Solid
NMR	Conforms to Structure	Conforms
HPLC Purity	Report Result	100.00% (205 nm)
MS	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 74.26, %H: 9.12, %N: 3.78
Specific Rotation	Report Result	0.0° (c = 0.5, Chloroform)

Additional Information:

N/A

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
Meenakshi Sharma	Toni Rantanen	Chanell Chu	11/4/2021	11/2/2028