



CERTIFICATE OF ANALYSIS

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1. Identification

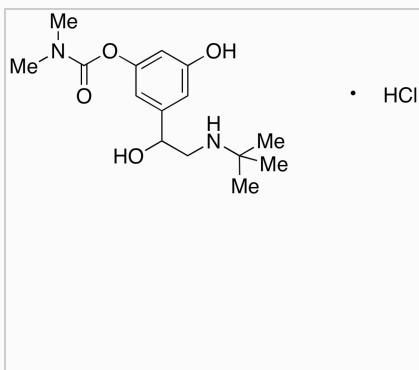
Catalogue Number: B117515

CAS Number: 81732-52-7

Product: Bambuterol Monocarbamate Hydrochloride

Synonym: Dimethylcarbamic Acid 3-[2-[(1,1-Dimethylethyl)amino]-1-hydroxyethyl]-5-hydroxyphenyl Ester; D 2439;

Structure:



Molecular Formula:

$C_{15}H_{25}ClN_2O_4$

Molecular weight:

332.82

Source of Product:

Synthetic

Solubility:

Methanol (Slightly), Water (Slightly)

Lot Number: 18-MRS-151-3

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 Solid	Off-White to Pale Beige Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 52.50, %H: 7.84, %N: 8.03
HPLC Purity	Report Result	98.59% (200 nm)
MS	Conforms to Structure	Conforms
Chloride Content	Report Result	11.66% by Ion Chromatography

Additional Information: Contains: ~1.5% Dioxane

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
Evan Burns	Toni Rantanen	Chanell Chu	11/8/2022	11/6/2026