



CERTIFICATE OF ANALYSIS

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1. Identification

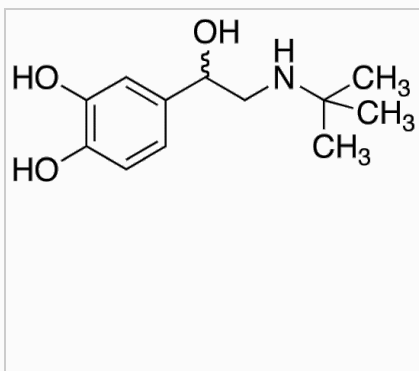
Catalogue Number: C215850

CAS Number: 52872-37-4

Product: Colterol Hydrochloride

Synonym: 4-[2-[(1,1-Dimethylethyl)amino]-1-hydroxyethyl]-1,2-benzenediol Hydrochloride; (+/-)-?-[tert-Butylamino)methyl]-3,4-dihydroxy-benzyl Alcohol Hydrochloride; (+/-)-N-t-ButylNoradrenaline Hydrochloride; (+/-)-tert-Butyl Noradrenaline Hydrochloride; dl-1-(3,4-Dihydroxyphenyl)-2-tert-butylaminoethanol Hydrochloride; dl-N-tert-ButylNorepinephrine Hydrochloride;

Structure:



Molecular Formula:

$C_{12}H_{19}NO_3 \cdot HCl$

Molecular weight:

225.29 + 36.46

Source of Product:

Synthetic

Solubility:

DMSO (Slightly), Methanol (Slightly)

Lot Number: 1-MGG-127-3

Purity: 97%

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	Pale Beige to Light Beige Solid	Pale Beige Solid
MS	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 54.37, %H: 8.17, %N: 5.26
NMR	Conforms to Structure	Conforms
HPLC Purity	>95%	96.34% (200 nm)

Additional Information:

Elemental Analysis: (Theoretical) %C: 55.07, %H: 7.70, %N: 5.35

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
Eric Beaton	Toni Rantanen	My Nguyen	11/4/2020	11/2/2030