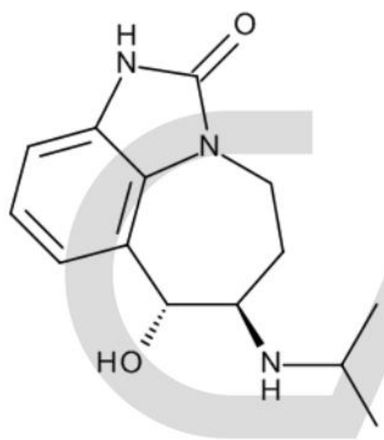
Certificate of Analysis

Reference Material & Standard

Product Name:	Zilpaterol(Enantiomer)	**Catalogue Number:**	CCAD300706
Synonyms:	N/A	**Lot Number:**	1011-RF-0010
CAS Number:	119520-05-7	**Expiry Date:**	Oct 09, 2028
Molecular Formula:	$C_{14}H_{19}N_3O_2$	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	261.32	**Shipping Condition:**	Shipping with Ice Packs
		Warning:	

Chemical Structure:

AND Enantiomer



CATO Research Chemicals Inc.

Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.6%
Assay	qNMR	96.8%
Uncertainty		±2.0%

Comment:

1. Assay was determined by quantitative 1H-NMR.

2. The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by: Lisa Date: Oct 11, 2024

Reviewed by: Hinlam Date: Oct 12, 2024

Approved by General Manager: David Date: Oct 12, 2024

CATO Research Chemicals Inc.