Certificate of Analysis

Lotilaner

Cat. No.: HY-116564

CAS No.: 1369852-71-0

Batch No.: 49605

Chemical Name: 2-Thiophenecarboxamide,5-[(5S)-4,5-dihydro-5-(3,4,5-trichlorophenyl)-5-(trifluoromethyl)-3-isoxazolyl]-3-methyl-N-[2-oxo-2-[(2,2,2-trifluoroethyl)amino]ethyl]-

PHYSICAL AND CHEMICAL PROPERTIES

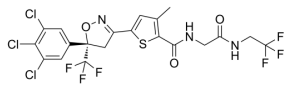
Molecular Formula: $C_{20}H_{14}Cl_3F_6N_3O_3S$

Molecular Weight: **596.76**

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	2 years
	-20°C	1 year

Chemical Structure:



ANALYTICAL DATA

Appearance: White to off-white (Solid)

^{1}H NMR Spectrum: Consistent with structure

LCMS: Consistent with structure

Purity (LCMS): **99.84%**

Conclusion: The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

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