Certificate of Analysis

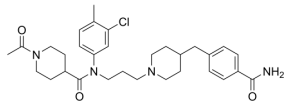
TAK-220

Cat. No.:	HY-19974
CAS No.:	333994-00-6
Batch No.:	20484
Chemical Name:	4-Piperidinecarboxamide, 1-acetyl-N-[3-[4-[[4-(aminocarbonyl)phenyl]methyl]-1-piperidinyl]propyl]-N-(3-chloro-4-methylphenyl)-

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	$C_{31}H_{41}ClN_4O_3$		
Molecular Weight:	**553.14**		
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):	**99.95%**
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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