Certificate of Analysis

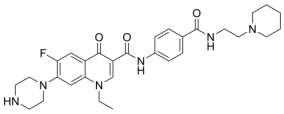
microRNA-21-IN-1

Cat. No.:	HY-146411
CAS No.:	2848720-31-8
Batch No.:	359876
Chemical Name:	3-Quinolinecarboxamide, 1-ethyl-6-fluoro-1,4-dihydro-4-oxo-7-(1-piperazinyl)-N-[4-[[[2-(1-piperidinyl)ethyl]amino]carbonyl]phenyl]-

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	$C_{30}H_{37}FN_6O_3$		
Molecular Weight:	**548.65**		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month

Chemical Structure:



ANALYTICAL DATA

Appearance:	White to off-white (Solid)
^{1}H NMR Spectrum:	Consistent with structure
LCMS:	Consistent with structure
Purity (HPLC):	**98.03%**
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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