Certificate of Analysis

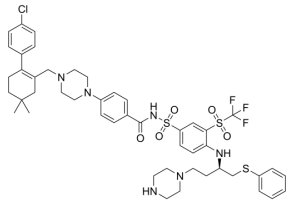
Navitoclax-piperazine

Cat. No.:	HY-44432
CAS No.:	2143096-93-7
Batch No.:	148458
Chemical Name:	Benzamide, 4-[4-[[2-(4-chlorophenyl)-5,5-dimethyl-1-cyclohexen-1-yl]methyl]-1-piperazinyl]-N-[[4-[[(1R)-1-[(phenylthio)methyl]-3-(1-piperazinyl)propyl]amino]-3-[(trifluoromethyl)sulfonyl]phenyl]sulfonyl]-

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	$C_{47}H_{56}ClF_3N_6O_5S_3$		
Molecular Weight:	**973.63**		
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 (LCMS):	**99.21%**
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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