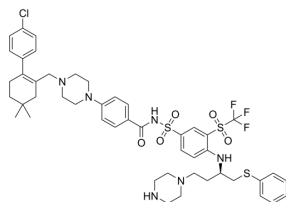


## Certificate of Analysis

<b>Product Name:</b>	Navitoclax-piperazine
<b>Cat. No.:</b>	CS-0114143
<b>CAS No.:</b>	2143096-93-7
<b>Batch No.:</b>	65038
<b>Chemical Name:</b>	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

<b>Molecular Formula:</b>	C <sub>47</sub> H <sub>56</sub> ClF <sub>3</sub> N <sub>6</sub> O <sub>5</sub> S <sub>3</sub>
<b>Molecular Weight:</b>	973.63
<b>Storage:</b>	Storage temp. 2-8°C
<b>Chemical Structure:</b>	



### ANALYTICAL DATA

<b>Appearance:</b>	White to off-white (Solid)
<b><sup>1</sup>H NMR Spectrum:</b>	Consistent with structure
<b>LCMS:</b>	Consistent with structure
<b>Purity (LCMS):</b>	98.83%
<b>Conclusion:</b>	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.**

Tel: 610-426-3128

Fax: 888-484-5008

E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA