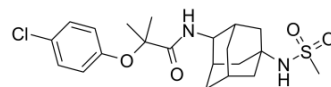


## JNJ 303

Cat. No.:	HY-16953
CAS No.:	878489-28-2
Molecular Formula:	C <sub>21</sub> H <sub>29</sub> ClN <sub>2</sub> O <sub>4</sub> S
Molecular Weight:	440.98
Target:	Potassium Channel
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the COA.



### BIOLOGICAL ACTIVITY

**Description** JNJ 303 is a potent I<sub>Ks</sub> blocker with an IC<sub>50</sub> value of 64 nM. JNJ 303 does not have any effects on other cardiac channels at concentrations of 3.3 μM for I<sub>Na</sub>, I<sub>Ca</sub>, I<sub>to</sub>, and I<sub>Kr</sub>. JNJ 303 induces QT-prolongations and causes unprovoked torsades de pointes (TdP)<sup>[1]</sup>.

**IC<sub>50</sub> & Target** IC50: 64 nM (I<sub>Ks</sub>)<sup>[1]</sup>

### REFERENCES

[1]. Julie Albrecht, et al. The effect of the KV7/KCNE 1 inhibitor JNJ 303 on heart slices and the L-type calcium channel of cardiac cells.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

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