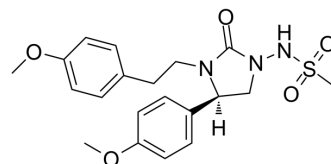


## KVI-020

Cat. No.:	HY-14186
CAS No.:	1000306-34-2
Molecular Formula:	C <sub>20</sub> H <sub>25</sub> N <sub>3</sub> O <sub>5</sub> S
Molecular Weight:	419.49
Target:	Potassium Channel
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	KVI-020 is an orally active, potent and selective blocker of the atrial potassium channel Kv1.5, with an IC <sub>50</sub> of 480 nM. KVI-020 can inhibit hERG, with an IC <sub>50</sub> of 15100 nM. KVI-020 is a potent antiarrhythmic agent, and can be used for atrial fibrillation (AF) research <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 480 ± 44 nM (Kv1.5), 15100 nM (hERG) <sup>[1]</sup>

### REFERENCES

[1]. Blass BE, et al. Selective Kv1.5 blockers: development of (R)-1-(methylsulfonylamino)-3-[2-(4-methoxyphenyl)ethyl]-4-(4-methoxyphenyl)-2-imidazolidinone (KVI-020/WYE-160020) as a potential treatment for atrial arrhythmia. J Med Chem. 2009 Nov 12;52(21):6531-4.

**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