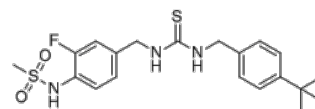


**Product Name** : JYL-1421  
**Cat. No.** : PC-62914  
**CAS No.** : 401907-26-4  
**Molecular Formula** : C<sub>20</sub>H<sub>26</sub>FN<sub>3</sub>O<sub>2</sub>S<sub>2</sub>  
**Molecular Weight** : 423.565  
**Target** : TRP Channel  
**Solubility** : 10 mM in DMSO



## Biological Activity

JYL-1421 (SC-0030) is a potent, competitive **TRPV1** receptor antagonist with K<sub>i</sub> of 53.5 nM, antagonizes capsaicin-induced calcium uptake with EC<sub>50</sub> of 9.2 nM.

JYL-1421 inhibits capsaicin-evoked substance P, CGRP and somatostatin release from isolated tracheae with IC<sub>50</sub> of 0.1-2 uM, decreased capsaicin-induced Ca<sup>2+</sup> accumulation in cultured trigeminal ganglion cells.

JYL-1421 inhibits capsaicin-induced hypothermia, eye wiping movements and reflex hypotension in rats (2 mg/kg, i.p.).

## References

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Wang Y, et al. Mol Pharmacol. 2002 Oct;62(4):947-56.

Miranda A, et al. Neuroscience. 2007 Sep 21;148(4):1021-32.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

E-mail: tech@probechem.com