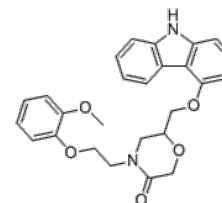


**Product Name** : VK-II-36  
**Cat. No.** : PC-38452  
**CAS No.** : 955371-66-1  
**Molecular Formula** : C<sub>26</sub>H<sub>26</sub>N<sub>2</sub>O<sub>5</sub>  
**Molecular Weight** : 446.50  
**Target** : Calcium Channel  
**Solubility** : 10 mM in DMSO



## Biological Activity

VK-II-36 is a carvedilol analogue that suppresses sarcoplasmic reticulum (SR) Ca(2+) release and does not block the β-receptor, via direct action on the cardiac ryanodine receptor type 2 (RyR2).

VK-II-36 effectively suppressed spontaneous intracellular Ca(2+) elevations (SCaEs) and eliminated TAs observed in both mouse and rabbit ventricles.

VK-II-36 inhibits ventricular tachyarrhythmias in intact mouse and rabbit ventricles by the suppression of SCaEs, independent of beta-blocking activity.

## References

Maruyama M, et al. Heart Rhythm. 2013 Jan;10(1):101-7.

Shinohara T, et al. Heart Vessels. 2014 May;29(3):396-403.

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

E-mail: tech@probechem.com