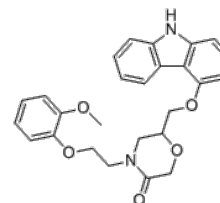


Product Name : VK-II-36
Cat. No. : PC-38452
CAS No. : 955371-66-1
Molecular Formula : C₂₆H₂₆N₂O₅
Molecular Weight : 446.50
Target : Calcium Channel
Solubility : 10 mM in DMSO



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!

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