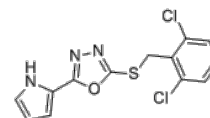


Product Name : Dooku1
Cat. No. : PC-63441
CAS No. : 2253744-54-4
Molecular Formula : C₁₃H₉Cl₂N₃OS
Molecular Weight : 326.195
Target : Piezo Channel
Solubility : 10 mM in DMSO



Biological Activity

Dooku1 is a Yoda1 analogue that antagonizes Yoda1-evoked activation of **Piezo1** and aortic relaxation, lacks agonist activity.

Dooku1 inhibits 2 μM Yoda1-induced Ca²⁺ -entry with IC₅₀ of 1.3 μM (HEK 293 cells) and 1.5 μM (HUVECs) yet failed to inhibit constitutive Piezo1 channel activity.

Dooku1 has no effect on endogenous ATP-evoked Ca²⁺ elevation or store-operated Ca²⁺ entry in HEK 293 cells or Ca²⁺ entry through TRPV4 or TRPC4 channels overexpressed in CHO and HEK 293 cells.

References

Evans EL, et al. *Br J Pharmacol.* 2018 May;175(10):1744-1759.

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

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