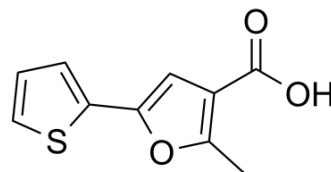


Jedi2

Cat. No.:	HY-131018
CAS No.:	651005-90-2
Molecular Formula:	C ₁₀ H ₈ O ₃ S
Molecular Weight:	208.23
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Jedi2 is a Piezo1 channel activator, but no specific Piezo2 activators. Jedi2 binds to the mouse Piezo1 proteins with a K _D of 2770 μM ^[1] .
In Vitro	Jedi2 evokes Piezo1-mediated Ca ²⁺ influx. Jedi2 (200 μM) specifically elicits dose-dependent responses in mPiezo1-transfected cells, but not in mPiezo2- or vector-transfected cells ^[1] . Jedi2 (1 mM) causes an increase in Ca ²⁺ in mCherry-positive HEK293T cells transfected with the mPiezo1-mCherry construct, which also responded to Yoda1 (30 μM) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Yanfeng Wang, et al. A lever-like transduction pathway for long-distance chemical- and mechano-gating of the mechanosensitive Piezo1 channel. Nat Commun. 2018 Apr 3;9(1):1300.

Caution: Product has not been fully validated for medical applications. For research use only.

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