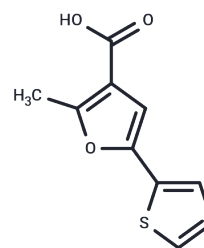


Jedi2

Chemical Properties

CAS No. :	651005-90-2
Formula:	C ₁₀ H ₈ O ₃ S
Molecular Weight:	208.23
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Jedi2 is a Piezo1 activator rather than a specific Piezo2 activator. Jedi2 binds to the mouse Piezo1 proteins with a K _d of 2770 μM [1].
In vitro	Jedi2 triggers a Piezo1-mediated Ca ²⁺ influx, inducing dose-dependent reactions uniquely in cells transfected with mPiezo1 at a concentration of 200 μM, without affecting cells transfected with mPiezo2 or the vector alone [1]. Similarly, at 1 mM, Jedi2 enhances Ca ²⁺ levels in mCherry-positive HEK293T cells harboring the mPiezo1-mCherry construct, comparable to the response driven by Yoda1 at 30 μM [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8024 mL	24.0119 mL	48.0238 mL
5 mM	0.9605 mL	4.8024 mL	9.6048 mL
10 mM	0.4802 mL	2.4012 mL	4.8024 mL
50 mM	0.096 mL	0.4802 mL	0.9605 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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