



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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FSC231

Chemical Properties

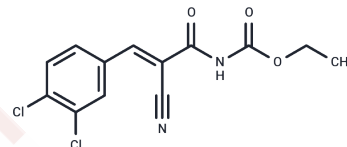
CAS No. : 1215849-96-9

Formula: C₁₃H₁₀Cl₂N₂O₃

Molecular Weight: 313.14

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	FSC231 is a PSD-95/DLG/ZO-1 (PDZ) domain inhibitor of PICK1 with analgesic effects [1].
In vitro	FSC231 (50 µM) inhibits the interaction between GluR2 and PICK1 in COS7 cells [2].
In vivo	FSC231 (total 78.40 µg/kg daily, administered via intraperitoneal injection seven times, completed 3 hours before paclitaxel treatment) alleviates paclitaxel-induced neuralgia in rats [1]. Additionally, FSC231 (39.2 µg/kg/day, intraperitoneally, for 4 weeks) inhibits the development of diabetic cardiomyopathy in rats by partially suppressing ROS production and apoptosis through the PICK1/eNOS/cGMP pathway [3]. Animal Model: Paclitaxel-induced neuralgia in rats [1] Dosage: 78.40 µg/kg total Administration: i.p., daily, seven times, 3 hours prior to Paclitaxel Result: Mitigated changes in inflammatory cytokines (IL-6, TNF-α, and IL-10) and inhibited the phosphorylation of GSK-3β and ERK1/2.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1935 mL	15.9673 mL	31.9346 mL
5 mM	0.6387 mL	3.1935 mL	6.3869 mL
10 mM	0.3193 mL	1.5967 mL	3.1935 mL
50 mM	0.0639 mL	0.3193 mL	0.6387 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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