



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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JC124

Chemical Properties

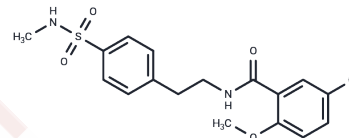
CAS No. : 1638611-48-9

Formula: C₁₇H₁₉ClN₂O₄S

Molecular Weight: 382.86

Appearance: no data available

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



Biological Description

Description	JC124 is an inhibitor of NLRP3 Inflammasome and exhibits neuroprotective and anti-inflammatory activities.
Targets(IC50)	NOD
In vitro	JC124 selectively inhibits NLRP3 inflammasome formation and activates caspase-1, and reduces IL-1 β [1].
In vivo	In adult male Sprague-Dawley rats bearing traumatic brain injury, intraperitoneal administration of JC124 (100mg/kg) reduces the number of injury-induced degenerating neurons, inflammatory cell response, and cortical lesion volume. JC124 decreases the expression of NLRP3, IL-1 beta, TNF α , ASC, iNOS, and caspase-1[1].

Solubility Information

Solubility	DMSO: 225.0 mg/mL (587.7 mM),when pH is adjusted to 3 with HCl. Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6119 mL	13.0596 mL	26.1192 mL
5 mM	0.5224 mL	2.6119 mL	5.2238 mL
10 mM	0.2612 mL	1.306 mL	2.6119 mL
50 mM	0.0522 mL	0.2612 mL	0.5224 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.

Reference

Fulp J, et al. Structural Insights of Benzenesulfonamide Analogues as NLRP3 Inflammasome Inhibitors: Design, Synthesis, and Biological Characterization. J Med Chem. 2018 Jun 18.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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