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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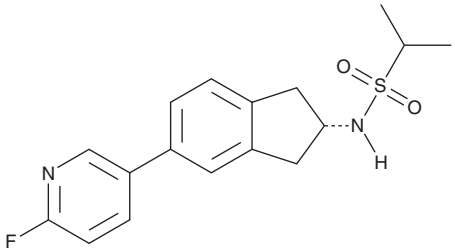
PRODUCT INFORMATION

UoS 12258

Item No. 36571

CAS Registry No.:	875927-64-3
Formal Name:	N-[(2S)-5-(6-fluoro-3-pyridinyl)-2,3-dihydro-1H-inden-2-yl]-2-propanesulfonamide
MF:	$C_{17}H_{19}FN_2O_2S$
FW:	334.4
Purity:	≥98%
UV/Vis.:	λ_{max}: 250 nm
Supplied as:	A solid
Storage:	-20°C
Stability:	≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

UoS 12258 is supplied as a solid. A stock solution may be made by dissolving the UoS 12258 in the solvent of choice, which should be purged with an inert gas. UoS 12258 is soluble in organic solvents such as ethanol and DMSO. The solubility of UoS 12258 in these solvents is approximately 1 and 2 mg/ml, respectively.

Description

UoS 12258 is a positive allosteric modulator of AMPA receptors.[1] It potentiates glutamate-induced currents in HEK293 cells expressing human ionotropic glutamate receptor 2 (GluR2) homomeric AMPA receptors (EC_{50} = 2.51 µM), as well as HEK293 cells expressing GluR1, GluR3, or GluR4 homomeric AMPA receptors. UoS 12258 (0.3 and 1 mg/kg) increases novel object exploration in a novel object recognition test in rats. It also reduces escape latencies in the Morris water maze in aged rats.

Reference

1. Ward, S.E., Beswick, P., Calcinaghi, N., *et al.* Pharmacological characterization of N-[(2S)-5-(6-fluoro-3-pyridinyl)-2, 3-dihydro-1H-inden-2-yl]-2-propanesulfonamide: a novel, clinical AMPA receptor positive allosteric modulator. *Br. J. Pharmacol.* **174(5)**, 370-385 (2017).

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