



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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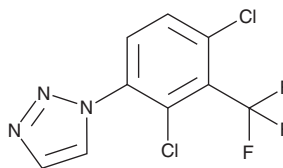
# PRODUCT INFORMATION



**ARUK3001185**

Item No. 37113

**CAS Registry No.:** 2411969-39-4  
**Formal Name:** 1-[2,4-dichloro-3-(trifluoromethyl)phenyl]-1H-1,2,3-triazole  
**Synonym:** 1-Phenyl-1H-1,2,3-triazole 1  
**MF:** C<sub>9</sub>H<sub>4</sub>Cl<sub>2</sub>F<sub>3</sub>N<sub>3</sub>  
**FW:** 282.1  
**Purity:** ≥98%  
**UV/Vis.:** λ<sub>max</sub>: 288 nm  
**Supplied as:** A crystalline solid  
**Storage:** -20°C  
**Stability:** ≥2 years



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

## Laboratory Procedures

ARUK3001185 is supplied as a crystalline solid. A stock solution may be made by dissolving the ARUK3001185 in the solvent of choice, which should be purged with an inert gas. ARUK3001185 is soluble in the organic solvent DMSO at a concentration of approximately 5 mg/ml.

## Description

ARUK3001185 is an inhibitor of palmitoleoyl-protein carboxylesterase NOTUM (IC<sub>50</sub> = 6.7 nM), an enzyme involved in the deacylation of Wnt.<sup>1</sup> It is selective for NOTUM over a panel of 39 serine hydrolases and 485 kinases, including casein kinase 1 (CK1) and glycogen synthase kinase 3 (GSK3), at 10 μM and a panel of 47 receptors, ion channels, transporters, and enzymes at 30 μM, but does inhibit the serotonin (5-HT) receptor subtype 5-HT<sub>3A</sub>, α4β2 subunit-containing nicotinic acetylcholine receptors (nAChRs), and monoamine oxidase A (MAO-A; IC<sub>50</sub>s = 4.5, 10, and 28 μM, respectively). ARUK3001185 prevents NOTUM-induced decreases in Wnt3a signaling in a cell-based reporter assay (EC<sub>50</sub> = 110 nM).

## Reference

1. Willis, N.J., Mahy, W., Siphthorp, J., *et al.* Design of a potent, selective, and brain-penetrant inhibitor of Wnt-deactivating enzyme notum by optimization of a crystallographic fragment hit. *J. Med. Chem.* **65**(10), 7212-7230 (2122).

**WARNING**  
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

**SAFETY DATA**  
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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