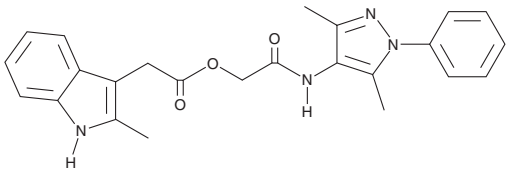
PRODUCT INFORMATION

DKFZ-251

Item No. 46719

CAS Registry No.:	2222059-70-1
Formal Name:	2-methyl-1H-indole-3-acetic acid, 2-[(3,5-dimethyl-1-phenyl-1H-pyrazol-4-yl)amino]-2-oxoethyl ester
MF:	$C_{24}H_{24}N_4O_3$
FW:	416.5
Purity:	≥98%
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

DKFZ-251 is supplied as a solid. A stock solution may be made by dissolving the DKFZ-251 in the solvent of choice, which should be purged with an inert gas. DKFZ-251 is soluble (≥10 mg/ml) in ethanol and DMSO.

Description

DKFZ-251 is an inhibitor of kallikrein-6 (KLK6), also known as neurosin or protease M (IC_{50} = 0.13 µM).[1] It is selective for KLK6 over KLK4, -5, -7, -8, 13, -14, and trypsin (IC_{50}s = >200, 1.1, 73, >10, >10, 10.3, and 21 µM, respectively). DKFZ-251 increases the proliferation of FaDu head and neck squamous cell carcinoma cells and induces the epithelial-to-mesenchymal transition (EMT) in the same cells. DKFZ-251 increases the area of myelin basic protein-positive (MBP^+) and myelin proteolipid protein-positive (PLP^+) oligodendrocytes in primary mouse oligodendrocytes progenitor cell (OPC) cultures at 500 nM.[2]

References

1. De Vita, E., Schüler, P., Lovell, S., *et al.* Depsipeptides featuring a neutral P1 are potent inhibitors of kallikrein-related peptidase 6 with on-target cellular activity. *J. Med. Chem.* **61(19)**, 8859-8874 (2018).
2. Yoon, H., Triplet, E.M., Simon, W.L., *et al.* Blocking Kallikrein 6 promotes developmental myelination. *Glia* **70(3)**, 430-450 (2022).

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.

WARRANTY AND LIMITATION OF REMEDY
Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

Copyright Cayman Chemical Company, 10/22/2026

CAYMAN CHEMICAL
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
PHONE: [800] 364-9897
[734] 971-3335
FAX: [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.**CAYMANCHEM**.COM