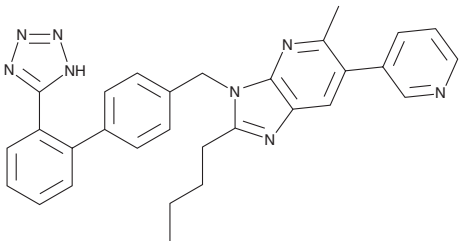
PRODUCT INFORMATION

TM-25659

Item No. 46618

CAS Registry No.:	260553-97-7
Formal Name:	2-butyl-5-methyl-6-(3-pyridinyl)-3-[[2′(2H-tetrazol-5-yl)[1,1′-biphenyl]-4-yl]methyl]3H-imidazo[4,5-b]pyridine
MF:	$C_{30}H_{28}N_8$
FW:	500.6
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

TM-25659 is supplied as a solid. A stock solution may be made by dissolving the TM-25659 in the solvent of choice, which should be purged with an inert gas. TM-25659 is soluble (≥10 mg/ml) in DMSO.

Description

TM-25659 is a modulator of transcriptional coactivator with PDZ-binding motif (TAZ).[1] It increases nuclear localization of TAZ in C3H/10T1/2 cells and reduces differentiation of 3T3-L1 mouse preadipocytes mediated by peroxisome proliferator-activated receptor γ (PPARγ) at 100 µM. It also increases C3H/10T1/2 osteoblast differentiation at 50 µM. TM-25659 (50 mg/kg) reduces weight gain in a mouse model of high-fat diet-induced obesity. In addition, it reduces weight gain and partially restores bone mineral density in a rat model of ovariectomy-induced bone loss.

Reference

1. Jang, E.J., Jeong, H., Kang, J.O., *et al*. TM-25659 enhances osteogenic differentiation and suppresses adipogenic differentiation by modulating the transcriptional co-activator TAZ. *Br. J. Pharmacol.* **165(5)**, 1584-1594 (2012).

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