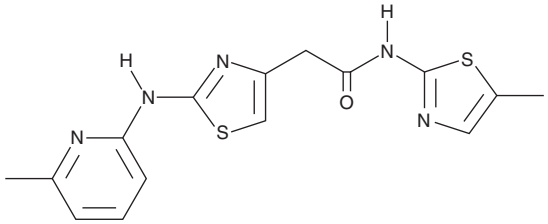
PRODUCT INFORMATION

HQ461

Item No. 46305

CAS Registry No.:	1226443-41-9
Formal Name:	2-[(6-methyl-2-pyridinyl)amino]-N-(5-methyl-2-thiazolyl)-4-thiazoleacetamide
MF:	$C_{15}H_{15}N_5OS_2$
FW:	345.4
Purity:	≥95%
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

HQ461 is supplied as a solid. A stock solution may be made by dissolving the HQ461 in the solvent of choice, which should be purged with an inert gas. HQ461 is slightly soluble (0.1-1 mg/ml) in DMSO.

Description

HQ461 is a molecular glue degrader of cyclin K.[1] It induces the degradation of cyclin K in cells with a half-maximal degradation concentration (DC_{50}) value of 0.132 µM. HQ461 promotes the interaction of cyclin-dependent kinase 12 (Cdk12) with DNA damage-binding protein 1 (DDB1), which facilitates cyclin K polyubiquitination in A549 non-small cell lung cancer (NSCLC) cells. It is cytotoxic to A549 cells (IC_{50} = 1.3 µM).

Reference

1. Lv, L., Chen, P., Cao, L., *et al.* Discovery of a molecular glue promoting CDK12-DDB1 interaction to trigger cyclin K degradation. *eLife* **9,** e59994 (2020).

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.

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