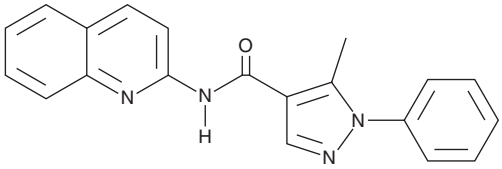
PRODUCT INFORMATION

YW2036

Item No. 46483

CAS Registry No.:	2131223-92-0
Formal Name:	5-methyl-1-phenyl-N-2-quinolinyl-1H-pyrazole-4-carboxamide
MF:	$C_{20}H_{16}N_4O$
FW:	328.4
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

YW2036 is supplied as a solid. A stock solution may be made by dissolving the YW2036 in the solvent of choice, which should be purged with an inert gas. YW2036 is soluble (≥10 mg/ml) in DMSO and sparingly soluble (1-10 mg/ml) in ethanol.

Description

YW2036 is an inhibitor of Wnt signaling.[1] It inhibits recombinant human Wnt3a-induced reporter activation in HEK293 cells (IC_{50} = 2.2 nM). YW2036 inhibits the growth of SW480 colorectal cancer cells (GI_{50} = 23.9 µM).

Reference

1. Yang, W., Li, Y., Ai, Y., *et al.* Pyrazole-4-carboxamide (YW2065): A therapeutic candidate for colorectal cancer via dual activities of Wnt/β-catenin signaling inhibition and AMP-activated protein kinase (AMPK) activation. *J. Med. Chem.* **62(24),** 11151-11164 (2019).

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
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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