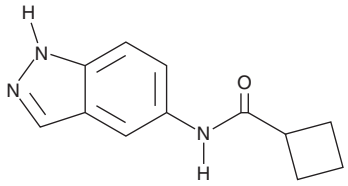
PRODUCT INFORMATION

Rhodblock *6*

Item No. 46623

CAS Registry No.: 886625-06-5
Formal Name: N-1H-indazol-5-yl-cyclobutanecarboxamide
MF: $C_{12}H_{13}N_3O$
FW: 215.3
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

Rhodblock 6 is supplied as a solid. A stock solution may be made by dissolving the rhodblock 6 in the solvent of choice, which should be purged with an inert gas. Rhodblock 6 is soluble (≥10 mg/ml) in DMSO.

Description

Rhodblock 6 is an inhibitor of Rho-associated kinase 1 (ROCK1).[1] It inhibits ROCK1 and the *D. melanogaster* homolog Rok in a concentration-dependent manner. It induces the disappearance of actin stress fibers in HeLa cells at 100 µM and decreases the accumulation of phosphorylated myosin regulatory light chain (p-MRLC) at the cleavage furrow in Rho RNAi-sensitized *D. melanogaster* Kc_{167} cells. Rhodblock 6 (200 µM) also prevents cleavage furrow formation in *D. melanogaster* S2 cells.

Reference

1. Katagiri, T., Tsukamoto, S., and Kuratani, M. Accumulated knowledge of activin receptor-like kinase 2 (ALK2)/activin A receptor, type 1 (ACVR1) as a target for human disorders. *Biomedicines* **9(7)**, 736 (2021).

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