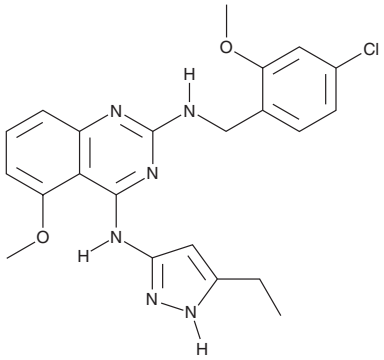
PRODUCT INFORMATION

GRK6-IN-1

Item No. 46246

CAS Registry No.:	2677786-61-5
Formal Name:	N^2-[(4-chloro-2-methoxyphenyl)methyl]-N^4-(5-ethyl-1H-pyrazol-3-yl)-5-methoxy-2,4-quinazolinediamine
Synonyms:	G Protein-coupled Receptor Kinase 6-IN-1, G Protein-coupled Receptor Kinase 6 Inhibitor 1, GRK6 Inhibitor 1
MF:	$C_{22}H_{23}ClN_6O_2$
FW:	438.9
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

GRK6-IN-1 is supplied as a solid. A stock solution may be made by dissolving the GRK6-IN-1 in the solvent of choice, which should be purged with an inert gas. GRK6-IN-1 is sparingly soluble (1-10 mg/ml) in DMSO and slightly soluble (0.1-1 mg/ml) in DMSO.

Description

GRK6-IN-1 is an inhibitor of G protein-coupled receptor kinase 6 (GRK6).[1,2] It reduces the proliferation of Hep3B and HCCLM3 hepatocellular carcinoma cells (IC_{50}s = 3.25 and 2.87 µM, respectively).[2] GRK6-IN-1 induces cell cycle arrest at the G_1 phase in Hep3B and HCCLM3 cells and inhibits the migration and invasion of the same cells. It reduces tumor weight in Hep3B and HCCLM3 mouse xenograft models at 25 mg/kg.

References

1. Uehling, D.E., Joseph, B., Chung, K.C., *et al.* Design, synthesis, and characterization of 4-aminoquinazolines as potent Inhibitors of the G protein-coupled receptor kinase 6 (GRK6) for the treatment of multiple myeloma. *J. Med. Chem.* **65(1)**, 886-887 (2021).
2. Lin, J., Lin, J., Wang, X., *et al.* Suppression of GRK6 inhibits hepatocellular carcinoma progression by arresting the cell cycle. *Tissue Cell* **103**, 103669 (2026).

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, 08/31/2026

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