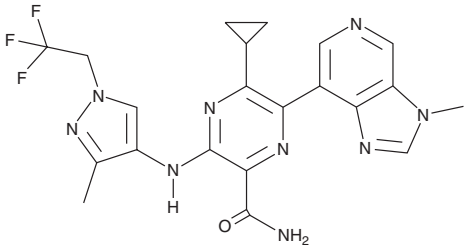
PRODUCT INFORMATION

AZ 3246

Item No. 46711

CAS Registry No.:	2893978-54-4
Formal Name:	5-cyclopropyl-6-(3-methyl-3H-imidazo[4,5-c]pyridin-7-yl)-3-[[3-methyl-1-(2,2,2-trifluoroethyl)-1H-pyrazol-4-yl]amino]-2-pyrazinecarboxamide
MF:	$C_{21}H_{20}F_3N_9O$
FW:	471.4
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

AZ 3246 is supplied as a solid. A stock solution may be made by dissolving the AZ 3246 in the solvent of choice, which should be purged with an inert gas. AZ 3246 is slightly soluble (0.1-1 mg/ml) in DMSO.

Description

AZ 3246 is an inhibitor of hematopoietic progenitor kinase 1 (HPK1; IC_{50} = <3 nM).[1] It is selective for HPK1 over MAP4K3 and LCK (IC_{50}s = 0.22 and >100 µM, respectively). AZ 3246 is also selective for HPK1 over a panel of 354 kinases at 100 nM but does inhibit myosin light-chain kinase (MLCK), c-ROS oncogene 1 (ROS1), MAP3K19, and TRAF2- and NCK-interacting kinase (TNIK) by >50% at 100 nM. It increases IL-2 levels and reduces phosphorylated SH2 domain-containing leukocyte protein of 76 kDa (pSLP-76) levels in primary human $CD3^+$ T cells (EC_{50}s = 110 and 82 nM, respectively). AZ 3246 (30 mg/kg) reduces tumor growth in an EMT6 mouse model of breast cancer when used alone or with anti-PD-L1 antibodies.

Reference

1. Shields, J.D., Baker, D., Balazs, A.Y.S., *et al.* Discovery and optimization of pyrazine carboxamide AZ3246, a selective HPK1 inhibitor. *J. Med. Chem.* **68(4)**, 4582-4595 (2025).

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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