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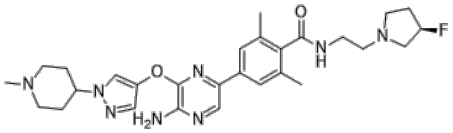
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	BGB-15025
Cat. No.	:	PC-23066
CAS No.	:	2766481-17-6
Molecular Formula	:	$C_{28}H_{37}FN_8O_2$
Molecular Weight	:	536.66
Target	:	MAP4K
Solubility	:	10 mM in DMSO



CAS: 2766481-17-6

Biological Activity

BGB-15025 is a potent and selective hematopoietic progenitor kinase 1 (HPK1) inhibitor with biochemical IC50 of 1.04 nM.
BGB-15025 shows good selectivity profile among MAP4K family and does not affect ZAP70 phosphorylation up to 1 μM.
BGB-15025 potently reduces SLP76 phosphorylation and increase downstream ERK phosphorylation in a concentration dependent manner in T cells-based assay.
BGB-15025 induces TCR activation and IL-2 production in T cells.
Oral administration of BGB-15025 demonstrates dose-dependent pSLP76 inhibition in splenic T cells and induces serum IL-2 in mouse model.
BGB-15025 exhibits anti-tumor activity in GL261 tumor model as single agent, also demonstrated combination effect with anti-PD-1 antibody in CT26 and EMT-6 syngeneic tumor models.

References

Ye Liu, et al. Cancer Res (2022) 82 (12_Supplement): 5541.

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