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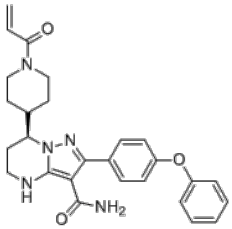
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Zanubrutinib
Cat. No.	:	PC-60535
CAS No.	:	1691249-45-2
Molecular Formula	:	$C_{27}H_{29}N_5O_3$
Molecular Weight	:	471.561
Target	:	BTK
Solubility	:	10 mM in DMSO



Biological Activity

Zanubrutinib (BGB3111) is a potent, selective and orally available **Btk** inhibitor with IC50 of 0.3 nM.
Zanubrutinib (BGB3111) shows much more restricted off-target activities against a panel of kinases, including ITK, compared with Ibrutinib.
Zanubrutinib (BGB3111) demonstrates nanomolar BTK inhibition activity, inhibits BCR aggregation-triggered BTK autophosphorylation, blocks downstream PLC-γ2 signaling, and potently inhibits cell proliferation in several MCL and DLBCL cell lines.
Zanubrutinib (BGB3111) demonstrates better anti-tumor activity than ibrutinib in TMD-8 subcutaneous xenograft model.

References

Na Li, et al. Abstract 2597: BGB-3111 is a novel and highly selective Bruton's tyrosine kinase (BTK) inhibitor. AACR.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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