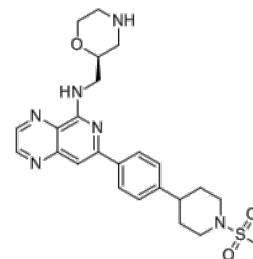


Product Name : Sovleplenib
Cat. No. : PC-73445
CAS No. : 1415792-84-5
Molecular Formula : C₂₄H₃₀N₆O₃S
Molecular Weight : 482.603
Target : Syk
Solubility : 10 mM in DMSO



Biological Activity

Sovleplenib (HMPL-523) is a highly potent, selective, orally available **SYK** inhibitor with IC₅₀ of 25 nM, demonstrates anti-tumor activity in B cell lymphomas.

HMPL-523 blocked phosphorylation of BLNK, downstream protein of Syk, in human mantle cell line REC-1 and human plasma cell line ARH-7777 with IC₅₀ of 0.105 μM and 0.173 μM, respectively.

HMPL-523 also inhibited cell viability of Ba/F3 Tel-Syk with IC₅₀ of 0.033 μM.

HMPL-523 potently inhibited cell viability in a panel of B -cell lymphoma cell lines with SYK/BCR deregulation with IC₅₀ of 0.4 to 2 μM.

HMPL-523 increased the apoptotic rate of REC-1 cells, showed the synergistic activities on killing human DLBCL in combination with BTK inhibitor, PI3Kδ inhibitors and Bcl2 family inhibitor.

HMPL-523 (100 mg/kg, p.o.) showed potent anti-tumor activity in B cell lymphoma REC-1, demonstrated anti-tumor activity in Syk dependent xenograft models.

References

Na Yang, et al. **Blood** (2016) 128 (22): 3970.

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

E-mail: tech@probechem.com