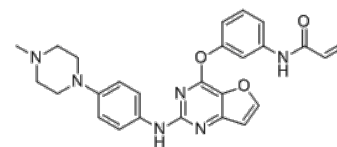


Product Name : Poseltinib
Cat. No. : PC-60536
CAS No. : 1353552-97-2
Molecular Formula : C₂₆H₂₆N₆O₃
Molecular Weight : 470.533
Target : BTK
Solubility : 10 mM in DMSO



Biological Activity

Poseltinib (HM-71224, LY-3337641) is a potent and selective, covalent inhibitor of **Btk** with IC₅₀ of 1.95 nM. Poseltinib also inhibits BMX, TEC, TXK, EGFR in biochemical sense (IC₅₀=0.3-2.5 nM). Poseltinib effectively inhibits the phosphorylation of Btk and PLC γ 2, and inhibits expression of CD40, CD69, and CD86 by activated primary human B cells with IC₅₀ of 4.2, 4.2, and 7.7 nM, respectively. Poseltinib inhibits the production of TNF- α , IL-6, and IL-1 β by human monocytes, and osteoclast formation by human monocytes; ameliorates arthritis in a mouse model.

References

- Park JK, et al. *Arthritis Res Ther.* 2016 Apr 18;18:91.
Akinleye A, et al. *J Hematol Oncol.* 2013 Aug 19;6:59.
Smith PF, et al. *Br J Clin Pharmacol.* 2017 Jun 21.

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

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