

Product Name	: Poseltinib
Synonyms	: HM-71224; LY-3337641
Cat No.	: M11439
CAS Number	: 1353552-97-2
Molecular Formula	: C ₂₆ H ₂₆ N ₆ O ₃
Formula Weight	: 470.53
Chemical Name	: 2-Propenamide, N-[3-[[2-[[4-(4-methyl-1-piperazinyl)phenyl]amino]furo[3,2-d]pyrimidin-4-yl]oxy]phenyl]-
Description	Poseltinib (HM-71224, LY-3337641) is a potent and selective, covalent inhibitor of Btk with IC₅₀ of 1.95 nM; also inhibits BMX, TEC, TXK, EGFR in biochemical sense (IC₅₀=0.3-2.5 nM); effectively inhibits the phosphorylation of Btk and PLCγ2, 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; inhibited the production of TNF-α, IL-6, and IL-1β by human monocytes, and osteoclast formation by human monocytes; ameliorates arthritis in a mouse model. Rheumatoid Arthritis Phase 1 Clinical
Pathway	: Tyrosine Kinase
Target	: BTK
Receptor	: BTK
Solubility	: —
SMILES	: <chem>C=CC(NC1=CC=CC(OC2=C(OC=C3)C3=NC(NC4=CC=C(N5CCN(C)CC5)C=C4)=N2)=C1)=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Park JK, et al. Arthritis Res Ther. 2016 Apr 18;18:91. | 2. Akinleye A, et al. J Hematol Oncol. 2013 Aug 19;6:59. | 3. Smith PF, et al. Br J Clin Pharmacol. 2017 Jun 21.