

Product Name	: Gilteritinib
Synonyms	: ASP2215;ASP-2215
Cat No.	: M11028
CAS Number	: 1254053-43-4
Molecular Formula	: C ₂₉ H ₄₄ N ₈ O ₃
Formula Weight	: 552.71
Chemical Name	: 2-Pyrazinecarboxamide, 6-ethyl-3-[[[3-methoxy-4-[4-(4-methyl-1-piperazinyl)-1-piperidinyl]phenyl]amino]-5-[(tetrahydro-2H-pyran-4-yl)amino]-
Description	: A potent FLT3/AXL inhibitor with IC ₅₀ of 0.73 nM/0.29 nM respectively; also inhibits LTK and ALK (IC ₅₀ =0.35 nM and 1.2 nM respectively), and shows >800-fold selectivity over c-Kit; inhibits the growth of Ba/F3 cells expressing either FLT3-ITD, FLT3-D835Y, FLT3-ITD-D835Y, FLT3-ITD-F691 L, and FLT3-ITD-F691I, with IC ₅₀ of 1.8 nM, 1.6 nM, 2.1 nM, 22 nM, and 49 nM, respectively; orally bioactive. Blood Cancer Phase 3 Clinical
Pathway	: Tyrosine Kinase
Target	: FLT3
Receptor	: FLT3;AXL
Solubility	: DMSO
SMILES	: <chem>CCC1=C(N=C(C(=N1)C(=O)N)NC2=CC(=C(C=C2)N3CCC(CC3)N4CCN(CC4)C)OC)NC5CCOCC5</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Mori M, et al. Invest New Drugs. 2017 May 17. doi: 10.1007/s10637-017-0470-z| 2. Lee LY, et al. Blood. 2017 Jan 12;129(2):257-260.