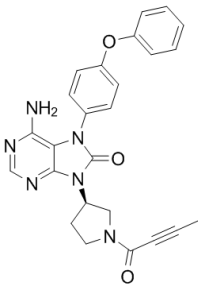


Product Name	: Tirabrutinib	
Synonyms	: ONO4059; ONO-4059; GS4059; GS 4059; GS-4059	
Cat No.	: M11422	
CAS Number	: 1351636-18-4	
Molecular Formula	: C ₂₅ H ₂₂ N ₆ O ₃	
Formula Weight	: 454.48	
Chemical Name	: 8H-Purin-8-one, 6-amino-7,9-dihydro-9-[(3R)-1-(1-oxo-2-butyln-1-yl)-3-pyrrolidinyl]-7-(4-phenoxyphenyl)-	
Description	: A potent, selective, third-generation irreversible inhibitor of mutant EGFR with IC ₅₀ s of 1/12/5 nM for L858R-T790M/L858R/L861Q respectively; weak activity against wt EGFR (IC ₅₀ =184 nM); inhibits signaling pathways and cellular growth in both EGFRm(+) and EGFRm(+)/T790M(+) mutant cell lines in vitro; exhibits tumor regression in EGFR-mutant tumor xenograft and transgenic models; orally active. Blood Cancer Phase 3 Clinical	
Pathway	: Tyrosine Kinase	
Target	: BTK	
Receptor	: BTK	
Solubility	: 10 mM in DMSO	
SMILES	: <chem>CC#CC(=O)N1CCC(C1)N2C3=NC=NC(=C3N(C2=O)C4=CC=C(C(C=C4)OC5=CC=CC=C5)N</chem>	
Storage	: (-20°C)	
Stability	: ≥ 2 years	
Reference	:	

1. Walter HS, et al. Blood. 2016 Jan 28;127(4):411-9. | 2. Yahiaoui A, et al. PLoS One. 2017 Feb 8;12(2):e0171221. | 3. Yasuhiro T, et al. Leuk Lymphoma. 2017 Mar;58(3):699-707.