

Product Name	: Vecabrutinib
Synonyms	: SNS 062; SNS062; SNS-062
Cat No.	: M12111
CAS Number	: 1510829-06-7
Molecular Formula	: C ₂₂ H ₂₄ ClF ₄ N ₇ O ₂
Formula Weight	: 529.93
Chemical Name	: (3R,3'R,4'S)-1'-(6-amino-5-fluoropyrimidin-4-yl)-3-[3-chloro-5-(trifluoromethyl)anilino]-2-oxo[1,3'-bipiperidine]-4'-carboxamide
Description	Vecabrutinib (SNS-062) is a potent, reversible, non-covalent BTK inhibitor with IC₅₀ of 2.9 and 4.4 nM for WT BTK and C481S BTK, respectively; Binds to Tec kinase family members BTK (K_d=0.3 nM) and ITK (K_d=2.2 nM), but not bind EGFR, active in vitro in cells with the C481S mutation; Inhibits pBTK in human whole blood with IC₅₀ of 50 nM, demonstrates favorable pharmacokinetic properties, shows potential for overcoming the ibrutinib resistance due to C481S mutation in BTK. Blood Cancer Phase 2 Clinical
Pathway	: Tyrosine Kinase
Target	: BTK
Receptor	: BTK
Solubility	: DMSO : 125 mg/mL. 235.88 mM
SMILES	: <chem>O=C1N([C@H]2CN(C3=NC=NC(N)=C3F)CC[C@@H]2C(N)=O)CCC[C@H]1NC4=CC(C(F)(F)F)=CC(Cl)=C4</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Thompson PA, et al. Expert Opin Investig Drugs. 2017 Nov 15:1-12.