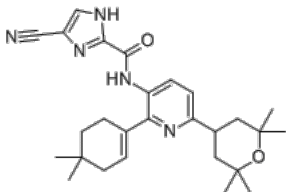


Product Name	: Edicotinib
Synonyms	: JNJ 40346527;PRV 6527
Cat No.	: M10505
CAS Number	: 1142363-52-7
Molecular Formula	: C ₂₇ H ₃₅ N ₅ O ₂
Formula Weight	: 461.61
Chemical Name	: 4-cyano-N-[2-(4,4-dimethylcyclohex-1-en-1-yl)-6-(2,2,6,6-tetramethyloxan-4-yl)pyridin-3-yl]-1H-imidazole-2-carboxamide
Description	 Edicotinib (JNJ 40346527, PRV 6527) is a potent, selective, orally bioavailable CSF-1R inhibitor with IC₅₀ of 3.2 nM; shows weak affinity for KIT and FLT3 (IC₅₀= 20 nM and 190 nM, respectively); reduces the levels of EMT-associated genes, stem cell markers and chemoresistance genes, produces strong chemo-sensitizing effects in vitro and in vivo. Rheumatoid Arthritis Phase 2 Clinical
Pathway	: Tyrosine Kinase
Target	: CSF1R
Receptor	: CSF1R
Solubility	: DMSO : 16.67 mg/mL 36.11 mM; H ₂ O : < 0.1 mg/mL
SMILES	: <chem>O=C(C1=NC(C#N)=CN1)NC2=CC=C(C3CC(C)(C)OC(C)(C)C3)N=C2C4=CCC(C)(C)CC4</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. von Tresckow B, et al. Clin Cancer Res. 2015 Apr 15;21(8):1843-50. | 2. Genovese MC, et al. J Rheumatol. 2015 Oct;42(10):1752-60. | 3. Pass HI, et al. Oncotarget. 2016 Aug 30;7(35):56408-56421. | 4. Kumar V, et al. Cancer Cell. 2017 Nov 13;32(5):654-668.e5.