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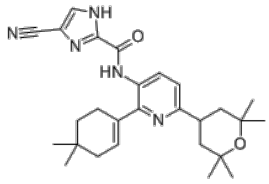
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Edicotinib
Cat. No.	:	PC-61373
CAS No.	:	1142363-52-7
Molecular Formula	:	$C_{27}H_{35}N_5O_2$
Molecular Weight	:	461.61
Target	:	c-Fms (CSF1R)
Solubility	:	10 mM in DMSO



Biological Activity

Edicotinib (JNJ-40346527, PRV 6527) is a potent, selective, orally bioavailable **CSF-1R** inhibitor with IC50 of 3.2 nM.
Edicotinib (JNJ-40346527) shows weak affinity for KIT and FLT3 (IC50= 20 nM and 190 nM, respectively).
Edicotinib (JNJ-40346527) reduces the levels of EMT-associated genes, stem cell markers and chemoresistance genes, produces strong chemo-sensitizing effects in vitro and in vivo.

References

von Tresckow B, et al. ***Clin Cancer Res.*** 2015 Apr 15;21(8):1843-50.

Genovese MC, et al. ***J Rheumatol.*** 2015 Oct;42(10):1752-60.

Pass HI, et al. ***Oncotarget.*** 2016 Aug 30;7(35):56408-56421.

Kumar V, et al. ***Cancer Cell.*** 2017 Nov 13;32(5):654-668.e5.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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