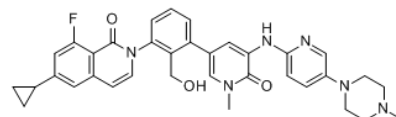


Product Name : RN486
Cat. No. : PC-45403
CAS No. : 1242156-23-5
Molecular Formula : C₃₅H₃₅FN₆O₃
Molecular Weight : 606.6892
Target : BTK
Solubility : DMSO: 24 mg/mL



Biological Activity

RN486 is a potent and selective **BTK** inhibitor with IC₅₀ of 4 nM in enzymatic assays.

RN486 shows high selectivity against a panel of 369 kinases.

RN486 blocks Fcε receptor cross-linking-induced degranulation in mast cells (IC₅₀=2.9 nM) and Fcγ receptor engagement-mediated TNFα production in monocytes (IC₅₀=7.0 nM).

RN486 shows robust anti-inflammatory and bone-protective effects in mouse CIA and rat adjuvant-induced arthritis (AIA) models.

References

Xu D, et al. *J Pharmacol Exp Ther*. 2012 Apr;341(1):90-103.

Mina-Osorio P, et al. *Arthritis Rheum*. 2013 Sep;65(9):2380-91.

Lou Y, et al. *J Med Chem*. 2015 Jan 8;58(1):512-6.

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

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