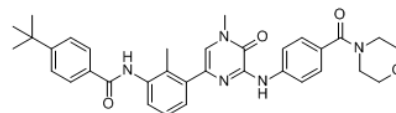


Product Name : CGI-1746
Cat. No. : PC-42817
CAS No. : 910232-84-7
Molecular Formula : C₃₄H₃₇N₅O₄
Molecular Weight : 579.6887
Target : BTK
Solubility : 10 mM in DMSO



Biological Activity

CGI-1746 is a potent, highly selective, second-generation **BTK** inhibitor with IC₅₀ of 1.9 nM, displays 1,000-fold selectivity over Tec and Src family kinases.

CGI-1746 displays no significant binding affinity for other 385 kinases.

CGI-1746 abolishes FcγRIII-induced TNFα, IL-1β and IL-6 production in macrophages, blocks B cell receptor-dependent B cell proliferation and in prophylactic regimens reduces autoantibody levels in collagen-induced arthritis.

CGI-1746 inhibits myeloma-like tumors both in vitro and in vivo.

References

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Yang Y, et al. *Cancer Res*. 2015 Feb 1;75(3):594-604.

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

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