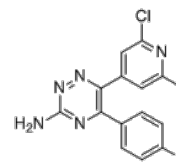


Product Name : AZD4635
Cat. No. : PC-63144
CAS No. : 1321514-06-0
Molecular Formula : C₁₅H₁₁ClFN₅
Molecular Weight : 315.736
Target : Adenosine Receptor
Solubility : 10 mM in DMSO



Biological Activity

AZD4635 (Imaradenant, HTL 1071) is a potent, selective and orally available **adenosine 2A receptor** (A2AR) inhibitor with K_i of 1.7 nM, > 30-fold selectivity over other adenosine receptors.

AZD4635 (Imaradenant, HTL 1071) reverses the inhibitory effects of different concentrations of adenosine in CHO cells stably expressing human A2AR with IC₅₀ of 0.1 nM (incubated with 0.1 uM adenosine).

AZD4635 (Imaradenant, HTL 1071) reverses suppression and restores IFN γ secretion in cells incubated with NECA in ex vivo CD8⁺ T cell assay.

AZD4635 (Imaradenant, HTL 1071) reduces tumor burden and enhances antitumor immunity in vivo.

References

Alexandra Borodovsky, et al. AACR. Cancer Res 2017;77(13 Suppl):Abstract nr 5580. DOI: 10.1158/1538-7445.

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

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