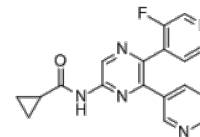


Product Name : LAS101057
Cat. No. : PC-20638
CAS No. : 925676-48-8
Molecular Formula : C₁₈H₁₄FN₅O
Molecular Weight : 335.34
Target : Adenosine Receptor
Solubility : 10 mM in DMSO



CAS: 925676-48-8

Biological Activity

LAS101057 (LAS 101057) is a potent, selective, and orally efficacious **A2B adenosine receptor** antagonist with K_i of 24 nM (human A2B).

LAS101057 is >400-fold selective in a diverse panel of more than 340 enzymes, receptors, channels, and transporters.

LAS101057 effects a concentration-dependent down-regulation of IL-6 production with a potency (67%) at 100 nM on NECA-induced IL-6 release in human primary dermal fibroblasts.

LAS101057 (10 mg/kg) is active in an ovalbumin (OVA)-sensitized mouse model after oral administration, reducing airway hyperresponsiveness to methacholine, Th2 cytokine production, and OVA-specific IgE levels.

References

Paul Eastwood, et al. *ACS Med Chem Lett.* 2011 Mar 10; 2(3): 213–218.

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

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