



LUF6000

Catalog No: tcsc1158

Available Sizes	
Size: 5mg	
Size: 10mg	
Size: 50mg	
Size: 100mg	
Specifications	
CAS No: 890087-21-5	
Formula: C ₂₂ H ₂₀ Cl ₂ N ₄	
Pathway: GPCR/G Protein	
Target: Adenosine Receptor	
Purity / Grade: >98%	
Solubility: 10 mM in DMSO	

Product Description

411.33

Observed Molecular Weight:

LUF6000 is an allosteric modulator of the human A3 adenosine receptor (AR).





IC50 value:

Target: A3 adenosine receptor

LUF6000 was found to be an allosteric enhancer of Emax of structurally diverse agonists at the A3 AR, being more effective for low-Emax agonists than for high-Emax agonists. LUF6000 exerted an Emax-enhancing effect at a concentration of 0.1 microM or higher, and was shown to increase the Emax of CI-IB-MECA and other low-efficacy agonists to a larger extent than that of the high-efficacy agonist NECA. Interestingly, LUF6000 converted a nucleoside A3 AR antagonist MRS542, but not a non-nucleoside antagonist MRS1220, into an agonist.

All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!