

LUF6000

Catalog No: tcsc1158



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

890087-21-5

Formula:

$C_{22}H_{20}Cl_2N_4$

Pathway:

GPCR/G Protein

Target:

Adenosine Receptor

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

411.33

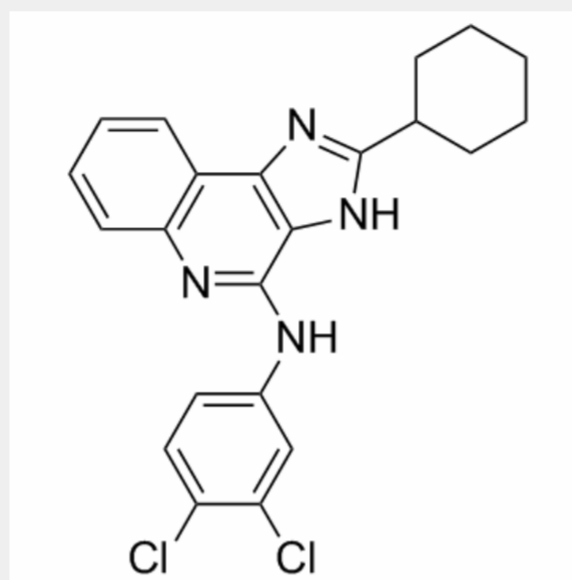
Product Description

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 Cl-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!