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DATASHEET

LUF7445

Product overview

Name LUF7445
Cat No HB8439
Biological description Novel, potent covalent A_{2A} antagonist (apparent pK_i values at A_{2A}Rs are 8.27 (after 0.5h) and 8.99 (after 3h), where a K_i shift indicates a covalent mode of action). Binds irreversibly.

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Biological action Antagonist
Purity >95%
Description Novel, potent covalent A_{2A} antagonist. Binds irreversibly.

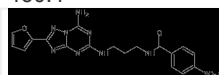
Solubility & Handling

Storage instructions -20 °C
Storage buffer Soluble in DMSO
Important This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use

Chemical Data

Chemical name 4-[3-[[7-Amino-2-(furan-2-yl)-[1,2,4]triazolo[1,5-a][1,3,5]triazin-5-yl]amino]propylcarbamoyl]benzenesulfonyl fluoride
Molecular Weight 460.4

Chemical structure



Molecular Formula C₁₈H₁₇FN₈O₄S
PubChem identifier 145958874
SMILES C1=COC(=C1)C2=NN3C(=NC(=NC3=N2)NCCCNC(=O)C4=CC=C(C=C4)S(=O)(=O)F)N
InChiKey NSSXICGPNXURNZ-UHFFFAOYSA-N
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References

A covalent antagonist for the human adenosine A(2A) receptor.

Yang X et al (2017) Purinergic signalling 13

PubMedID [27915383](#)