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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_2ARs 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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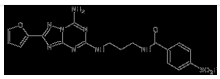
Biological action	Antagonist
Purity	>95%
Description	Novel, potent covalent A_{2A} antagonist. Binds irreversibly.

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	$C_{18}H_{17}FN_8O_4S$
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
Licensing details	Sold under license from the Oncode Cancer Institute and Universiteit Leiden

References

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

Yang X et al (2017) Purinergic signalling 13

PubMedID 27915383