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DATASHEET

LUF7602

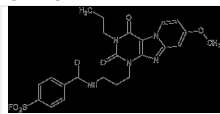
Product overview

Name	LUF7602
Cat No	HB7286
Biological description	Novel, potent, selective A ₃ AR covalent antagonist (apparent pK _i values at A ₃ ARs are 6.9 and 8.0 (after 4h), where a K _i shift indicates a covalent mode of action). Binds irreversibly. <i>Sold under license from the Oncode Institute and Universiteit Leiden</i>
Biological action	Antagonist
Purity	>95%
Description	Novel, potent, selective A ₃ AR covalent antagonist

Solubility & Handling

Storage instructions	-20 °C
Solubility overview	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-(8-Methoxy-2,4-dioxo-3-propylpurino[7,8-a]pyridin-1-yl)propylcarbamoyl]benzenesulfonyl fluoride
Molecular Weight	517.5
Chemical structure	
Molecular Formula	C ₂₃ H ₂₄ FN ₅ O ₆ S
PubChem identifier	155513958
SMILES	<chem>CCCN1C(=O)C2=C(N=C3N2C=CC(=C3)OC)N(C1=O)CCCNC(=O)C4=CC=C(C=C4)S(=O)(=O)F</chem>
InChIKey	QNCALQNHCSHYFR-UHFFFAOYSA-N
Licensing details	Sold under license from the Oncode Cancer Institute and Universiteit Leiden

References

Development of Covalent Ligands for G Protein-Coupled Receptors: A Case for the Human Adenosine A(3) Receptor.

Yang X et al (2019) Journal of medicinal chemistry 62

PubMedID [30869893](#)

