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DATASHEET

LUF7487

Product overview

Name	LUF7487
Cat No	HB9585
Biological description	Novel, covalent Affinity-Based Probe (AfBP) which is suitable for click-conjugation (e.g. with the Cyanine-3 fluorophore) for visualization applications (e.g. SDS-PAGE). Irreversibly binds to the A_2AR (apparent pK_i values at A_{2a}AR are 8.41 (after 0.5h) and 8.82 (after 3h), where a K_i indicates a covalent mode of action).
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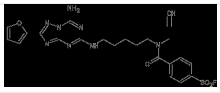
Biological action	Other
Purity	>95%
Description	Novel, covalent Affinity-Based Probe (AfBP). Clickable antagonist for the A_2AR.

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-[5-[[7-Amino-2-(furan-2-yl)-[1,2,4]triazolo[1,5-a][1,3,5]triazin-5-yl]amino]pentyl-prop-2-ynylcarbamoyl]benzenesulfonyl fluoride
Molecular Weight	526.5
Chemical structure	
Molecular Formula	$C_{23}H_{23}FN_8O_4S$
PubChem identifier	145953622
SMILES	C#CCN(CCCCCNC1=NC2=NC(=NN2C(=N1)N)C3=CC=CO3)C(=O)C4=CC=C(C=C4)S(=O)(=O)F
InChiKey	KGDQUCQGDCWHAI-UHFFFAOYSA-N
Licensing details	Sold under license from the Oncode Cancer Institute and Universiteit Leiden

References

An Affinity-Based Probe for the Human Adenosine A(2A) Receptor.

Yang X et al (2018) Journal of medicinal chemistry 61

PubMedID 30080404