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## DATASHEET

LUF7445

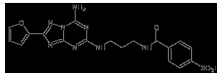
### Product overview

<b>Name</b>	LUF7445
<b>Cat No</b>	HB8439
<b>Biological description</b>	Novel, potent covalent A <sub>2A</sub> antagonist (apparent pK <sub>i</sub> values at A <sub>2A</sub> Rs are 8.27 (after 0.5h) and 8.99 (after 3h), where a K <sub>i</sub> shift indicates a covalent mode of action). Binds irreversibly.
<b>Biological action</b>	<i>Sold under license from the Oncode Institute and Universiteit Leiden</i> Antagonist
<b>Purity</b>	>95%
<b>Description</b>	Novel, potent covalent A <sub>2A</sub> antagonist. Binds irreversibly.

### Solubility & Handling

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

### Chemical Data

<b>Chemical name</b>	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
<b>Molecular Weight</b>	460.4
<b>Chemical structure</b>	
<b>Molecular Formula</b>	C <sub>18</sub> H <sub>17</sub> FN <sub>8</sub> O <sub>4</sub> S
<b>PubChem identifier</b>	145958874
<b>SMILES</b>	<chem>C1=COC(=C1)C2=NN3C(=NC(=NC3=N2)NCCCNC(=O)C4=CC=C(C=C4)S(=O)(=O)F)N</chem>
<b>InChiKey</b>	NSSXICGPNXURNZ-UHFFFAOYSA-N
<b>Licensing details</b>	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](#)