

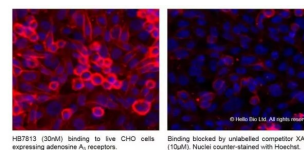
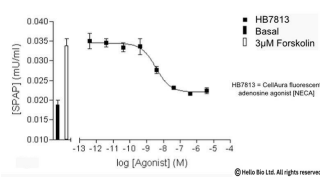
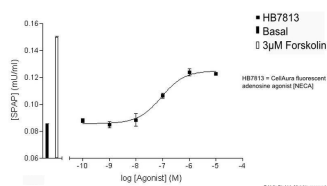
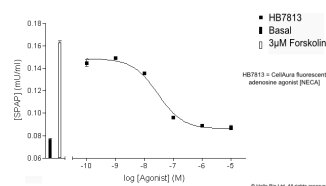
## DATASHEET

### CA200623 CellAura fluorescent adenosine agonist [NECA]

#### Product overview

|                               |  |
|-------------------------------|--|
| <b>Name</b>                   | CA200623 CellAura fluorescent adenosine agonist [NECA]   |
| <b>Cat No</b>                 | HB7813   |
| <b>Biological description</b> | Fluorescent adenosine receptor agonist (pEC <sub>50</sub> values are 8.57, 8.47, 6.76 and 5.69 for A <sub>3</sub> , A <sub>1</sub> , A <sub>2A</sub> and A <sub>2B</sub> respectively). Also inhibits forskolin-stimulated cAMP accumulation (pIC <sub>50</sub> = 8.57) and [3H]-inositol phosphate accumulation (pEC <sub>50</sub> = 7.34). A fluorescent adenosine receptor ligand derived from NECA, non-selective adenosine agonist. |
| <b>Alternative names</b>      | Fluorescent Adenosine receptor Agonist (A-633-AG), A-633-AG, ABEA-X-BY630  |
| <b>Biological action</b>      | Agonist  |
| <b>Purity</b>                 | >97%   |
| <b>Description</b>            | Fluorescent adenosine receptor agonist   |

#### Images



#### Biological Data

|                                   |  |
|-----------------------------------|--|
| <b>Application notes</b>          | For ligand binding; fluorescence imaging; high content analysis; kinetic analysis; cell sorting at adenosine A <sub>1</sub> / A <sub>2A</sub> / A <sub>3</sub> receptors use solutions up to 100 nM. |
| <b>Pharmacological validation</b> | For full experimental data see: J. Med. Chem. 2007, 50, 782-793; FASEB J. 2008, 22, 850-860  |

#### Solubility & Handling

|                             |  |
|-----------------------------|--|
| <b>Storage instructions</b> | -20 °C (protect from light)  |
| <b>Solubility overview</b>  | Soluble in DMSO  |
| <b>Handling</b>             | After thawing individual aliquots for use, we recommend briefly sonicating the sample to ensure it is fully dissolved and the solution is homogeneous. We do not recommend using the product after subjecting it to repetitive freeze-thaw cycles. |
| <b>Shipping conditions</b>  | The product, supplied in a dry form, is stable at ambient temperature for periods of up to a few days and does not require shipping on ice/dry ice.  |
| <b>Important</b>            | This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not   |

## Chemical Data

|                         |                  |
|-------------------------|------------------|
| <b>Molecular Weight</b> | 925              |
| <b>Source</b>           | Synthetic        |
| <b>Appearance</b>       | Purple solid     |
| <b>Formulation</b>      | Lyophilized film |
| <b>Excitation</b>       | 638 nm           |
| <b>Emission</b>         | 657 nm           |

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## References

### **Probe dependence of allosteric enhancers on the binding affinity of adenosine A1 -receptor agonists at rat and human A1 -receptors measured using NanoBRET.**

Cooper SL et al (2019) Br J Pharmacol. doi: 10.1111/bph.14575. [Epub ah

**PubMedID** [30644086](#)

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