



## DATA SHEET

### Product overview

|                        |   |
|------------------------|---|
| Name                   | CELT-300  |
| Short description      | Potent and selective hA <sub>2A</sub> Adenosine receptor fluorescent ligand   |
| Biological description | It shows full selectivity for A <sub>2A</sub> over A <sub>1</sub> , A <sub>2B</sub> and A <sub>3</sub> (only in the A <sub>2A</sub> receptor it is possible to measure a K <sub>i</sub> whose value is 8.35 nM in radioligand binding assay). |
| Biological action      | Selective orthosteric ligand  |
| Quantity               | 10 µg   |
| Purity                 | > 97%   |

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### Properties

|                            |  |
|----------------------------|--|
| Molecular Weight           | 1320.53 (TFA Salt)   |
| Source                     | Synthetic  |
| Appearance                 | Dark blue solid  |
| Formulation                | Solid powder   |
| Excitation                 | 646 nm   |
| Emission                   | 662 nm   |
| Pharmacological validation | The efficacy and potency of CELT-300 as a selective fluorescent hA <sub>2A</sub> adenosine receptor ligand was confirmed by a radioligand binding assay. |

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### Storing and Using product

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|----------------------|---|
| Storage instructions | -20 °C (protect from light)   |
| Solubility overview  | Soluble in DMSO   |
| Stock solution       | Add 76 µL of assay buffer containing 1% of DMSO to obtain a 100 µM stock solution.  |
| Handling             | 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.

Shipping conditions

The product, as a solid, is stable at ambient temperature for periods of up to a few days and does not require shipping on ice/dry ice.

Important

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.