



## DATA SHEET

### Product overview

Name	CELT-241
Short description	Potent hD <sub>2</sub> /D <sub>3</sub> Dopamine receptors fluorescent ligand
Biological description	It shows K <sub>i</sub> =5.22 nM and K <sub>i</sub> =4.77 nM for D <sub>2</sub> and D <sub>3</sub> respectively in radioligand binding assay and selectivity over D <sub>4</sub> Dopamine receptor.
Biological action	No-selective orthosteric ligand
Quantity	50 µg
Purity	> 97%

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### Properties

Molecular Weight	1469.50
Source	Synthetic
Appearance	Dark blue solid
Formulation	Solid powder
Excitation	646 nm
Emission	662 nm

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### Applications

Pharmacological validation	The efficacy and potency of CELT-241 as a hD <sub>2</sub> hD <sub>3</sub> fluorescent ligand was confirmed by a radioligand binding assay.
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### Storing and Using product

Storage instructions	-20 °C (protect from light)
Solubility overview	Soluble in DMSO
Stock solution	Add 34 µL of DMSO to obtain a 1mM 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.