



## DATA SHEET

### Product overview

Name	CELT-075 (cat n. DR-748-1)
Short description	Fluorescent hD <sub>2</sub> dopamine receptor antagonist.
Biological description	Fluorescent hD <sub>2</sub> dopamine receptor antagonist (it shows K <sub>i</sub> = 3.15 nM, K <sub>i</sub> = 294.6 nM and K <sub>i</sub> = 220.3 nM for D <sub>2</sub> , D <sub>3</sub> and D <sub>4</sub> receptor respectively in radioligand binding assay).
Biological action	Modulation of hD <sub>2</sub> dopamine by orthosteric antagonism.
Quantity	10 µg
Purity	> 95%

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### Properties

Molecular Weight	1577.78
Source	Synthetic
Appearance	Dark green solid
Formulation	Solid
Excitation	748 nM
Emission	776 nM

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### Storing and Using product

Storage instructions	-20 °C (protect from light).
Solubility overview	Soluble in DMSO.
Stock solution	Add 63 µL of DMSO to obtain a 100 µM stock solution. We recommend not exceeding 1% of DMSO in the final assay 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.