



DATA SHEET

Product overview

Name	CELT-402
Short description	Potent h5HT _{2A} / h5HT _{2C} serotonin receptor fluorescent antagonist
Biological description	It shows high affinity for h5HT _{2A} and h5HT _{2C} serotonin receptor ($K_i = 29.7$ nM and $K_i = 14.6$ nM respectively in radioligand binding assay).
Biological action antagonism	Modulation of h5HT _{2A} / h5HT _{2C} serotonin receptor by orthosteric
Quantity	10 µg
Purity	> 97%

Properties

Molecular Weight	1108.08
Source	Synthetic
Appearance	Purple solid
Formulation	Lyophilized solid
Excitation	589 nM
Emission	616 nM
Pharmacological validation	The efficacy and potency of CELT-402 as a h5HT _{2A} / h5HT _{2C} fluorescent ligand was confirmed by a radioligand binding assay.

Storing and Using product

Storage instructions	-20 °C (protect from light)
Solubility overview	Soluble in DMSO
Stock solution	Add 90 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.