



DATA SHEET

Product overview

Name	CELT-211
Short description	Potent and selective h5HT _{2B} Serotonin receptor fluorescent ligand
Biological description	It shows full selectivity for h5HT _{2B} over h5HT _{2A} , h5HT _{2C} (only in the h5HT _{2B} receptor it is possible to measure a K _i whose value is 56.32 nM in radioligand binding assay).
Biological action	Selective orthosteric ligand
Quantity	50 µg
Purity	> 97%

Properties

Molecular Weight	1216.20
Source	Synthetic
Appearance	Purple solid
Formulation	Solid powder
Excitation	589 nM
Emission	616 nM

Applications

Pharmacological validation	The efficacy and potency of CELT-211 as a h5HT _{2B} fluorescent ligand was confirmed by a radioligand binding assay.
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Images

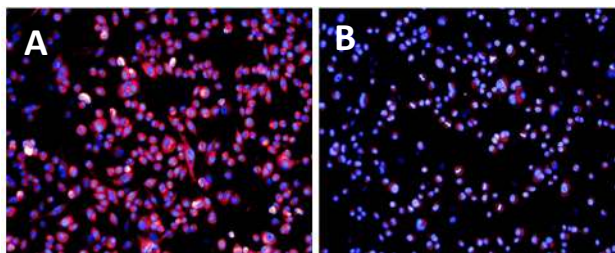


Figure 1. CHO cells expressing the human 5HT_{2B}R labelled with A) **CELT-211** 56 nM and Hoechst 33342 (blue) B) **CELT-211** 56 nM (pink) and Hoechst 33342 (blue) preincubated with 5-HT 50 μM

Storing and Using product

Storage instructions	-20 °C (protect from light)
Solubility overview	Soluble in DMSO
Stock solution	Add 41 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.