



DATA SHEET

Product overview

Name	CELT-327
Short description	Potent hA _{2B} /A ₃ Adenosine receptor fluorescent antagonist
Biological description	It shows selectivity for A _{2B} and A ₃ over A ₁ , A _{2A} (only in the A _{2B} and A ₃ receptor it is possible to measure a K _i whose value is 35.6 nM and 45.7 nM respectively in radioligand binding assay).
Biological action	Modulation of hA _{2B} and hA ₃ adenosine receptors by orthosteric antagonism
Quantity	50 µg
Purity	> 97%

Properties

Molecular Weight	1220.17
Source	Synthetic
Appearance	Purple solid
Formulation	Solid powder
Excitation	589 nm
Emission	616 nm

Applications

Pharmacological validation	The efficacy and potency of CELT-327 as a fluorescent hA _{2B} hA ₃ adenosine receptor 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 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.