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	10 µg
Purity	> 95%

Properties

Molecular Weight	1334.19 (TFA salt)
Source	Synthetic
Appearance	Purple solid
Formulation	Lyophilized solid
Excitation	589 nm
Emission	616 nm
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.

Validated applications

Live-imaging confocal microscopy	CELT-327 has been validated in confocal microscopy for the labelling of hA_{2B} and hA_3 adenosine receptors in HCT-116 colon cancer cells and Hela cancer cells.

Storing and Using product

Storage instructions	-20 °C (protect from light)

Solubility overview	Soluble in DMSO
Stock solution	Add 75 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.