

Certificate of Analysis

www.tocris.com

Product Name: CELT-327

Catalog No.: 7954

Batch No.: 1

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Weight: 1334.19
Physical Appearance: Purple solid
Storage: Store at -20°C

2. ANALYTICAL DATA

HPLC: Shows 99.6% purity
Mass Spectrum: Consistent with structure

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

bio-techne.com
info@bio-techne.com
techsupport@bio-techne.com

North America
Tel: (800) 343 7475

China
info.cn@bio-techne.com
Tel: +86 (21) 52380373

Europe Middle East Africa
Tel: +44 (0)1235 529449

Rest of World
www.tocris.com/distributors
Tel:+1 612 379 2956

Product Name: CELT-327

Catalog No.: 7954

1

Description:

CELT-327 is a potent and selective fluorescent hA_{2B}/A₃ adenosine receptor antagonist (K_i values are 35.6 nM and 45.7 nM at A_{2B} and A₃ receptors respectively). It shows dose-dependent membrane fluorescent labeling in HCT116 cells expressing A_{2B} adenosine receptors, with rapid diffusion and homogeneous distribution of the fluorescence signal within the cell monolayer. In live HCT116 compact spheroids, CELT-327 displays homogeneous staining across the entire spheroid diameter, reaching deep spheroid regions. CELT-327 can be used as a fluorescent adenosine receptor probe for fluorescence binding assays, live cell imaging, flow cytometry, and fluo... Please see product specific page on www.tocris.com for full description.

Physical and Chemical Properties:

Batch Molecular Weight: 1334.19

Physical Appearance: Purple solid

Minimum Purity: ≥95%

Storage: Store at -20°C

CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

Solubility & Usage Info:

This product is supplied as a lyophilized solid and may be very hard to visualize. Solutions should be made by adding solvent directly to the vial. The vial should then be vortexed vigorously to ensure the product has completely dissolved.

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

Licensing Information:

Sold under license from Celtarys Research

References:

Barbazán et al (2022) Identification of A_{2B}AR as a potential target in colorectal cancer using novel fluorescent GPCR ligands. *Biomed.Pharmacother.* **153** 113408. PMID: 36076535.

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel:+1 612 379 2956