

Certificate of Analysis

www.tocris.com

Product Name: CELT-133

Catalog No.: 7952

Batch No.: 1

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Weight: 1318.43
Physical Appearance: Purple solid
Storage: Store at -20°C

2. ANALYTICAL DATA

HPLC: Shows 97.7% purity
Mass Spectrum: Consistent with structure

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

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Product Name: CELT-133**Catalog No.:** 7952**1****Description:**

CELT-133 is a selective α_{1A} adrenergic receptor fluorescent antagonist. It shows full selectivity for α_{1A} over α_{2A} (K_i = 5 nM and 15% of displacement at 1 μ M respectively in radioligand binding assay). CELT-133 binds equally to all subtypes of α_1 adrenergic receptor. Excitation and emission maxima (λ) are 560 and 571 nm, respectively. Wavelengths are compatible with use as an acceptor dye in TR-FRET assays, together with the CoraFluor™ 1 (Cat. No. 7920) TR-FRET donor. Add 76 μ L of assay buffer containing 1% of DMSO to obtain a 100 μ M stock solution, and use 250 nM as a working concentration. Please see product specific page on www.tocris.com for full description.

Physical and Chemical Properties:

Batch Molecular Weight: 1318.43

Physical Appearance: Purple solid

Minimum Purity: $\geq 95\%$ **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 in lyophilized form. It may appear as a solid, gel or film and 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:

Kenny *et al* (1996) Evaluation of the pharmacological selectivity profile of alpha 1 adrenoceptor antagonists at prostatic alpha 1 adrenoceptors: binding, functional and *in vivo* studies. *Br.J.Pharmacol.* **118** 871. PMID: 8799556.

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