



## DATA SHEET

### Product overview

Name	CELT-503 (cat n. G-FUN-589-1)
Short description	Fluorescent GTP $\gamma$ S
Biological description	Binds efficiently to G proteins without undergoing hydrolysis, enabling the monitoring of G protein recruitment by GPCRs as a result of modulator interactions.
Quantity	50 $\mu$ g
Purity	> 95%

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### Properties

Molecular Weight	1282.88
Source	Synthetic
Appearance	Purple solid
Formulation	Solid
Excitation	589 nm
Emission	616 nm
Pharmacological validation	The binding to the G protein was validated in $\alpha$ -adrenergic receptors, for the measurement of Isoprenanile EC <sub>50</sub> in Arcoscreen assay format.

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### Storing and Using product

Storage instructions	-20 °C (protect from light).
Solubility overview	Soluble in DMSO.
Stock solution	Add <b>39 <math>\mu</math>L of DMSO</b> to obtain a 1 mM stock solution. It has been observed that preparing the stock solution directly in buffer can lead to some hydrolysis of the compound after two weeks. Therefore, we recommend preparing the stock solution in <b>DMSO</b> and diluting it into the desired buffer immediately before performing the assay. This ensures optimal stability and reproducibility for your experiments.
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.