

## Certificate of Analysis

[www.tocris.com](http://www.tocris.com)

**Product Name:** CoraFluor™ 1, amine reactive

**Catalog No.:** 7920

**Batch No.:** 2

### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Weight:** 1485.25  
**Physical Appearance:** White solid  
**Storage:** Store at -20°C

### 2. ANALYTICAL DATA

**Mass Spectrum:** Consistent with structure  
**UV Spectrum:** Consistent with structure  
 **$\lambda_{\max}$ :** 340 nm (0.01M PBS pH 7.4)  
 **$\lambda_{\text{ex}}$ :** 338 nm (0.01M PBS pH 7.4)  
 **$\lambda_{\text{em}}$ :** 549 nm (0.01M PBS pH 7.4)

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](http://www.tocris.com/distributors)  
Tel:+1 612 379 2956

**Product Name:** CoraFluor™ 1, amine reactive**Catalog No.:** 7920**Batch No.:** 2**Description:**

CoraFluor™ 1, amine reactive is a terbium-based time-resolved Förster resonance energy transfer (TR-FRET) donor for TR-FRET assay development, such as target engagement and ternary complex assays. This product is designed with a PFP ester for reactivity with primary amines, making it suitable for labeling biomolecules, including antibodies, nanobodies, proteins and peptides. It is exceptionally bright, providing unmatched assay sensitivity and stability in biological media over other commercially available TR-FRET donors. CoraFluor™ 1, amine reactive is compatible with common acceptor dyes such as FAM, TMR and Cyanine 5, SE (... Please see product specific page on [www.tocris.com](http://www.tocris.com) for full description.

**Physical and Chemical Properties:**

Batch Molecular Weight: 1485.25

Physical Appearance: White solid

**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.

**Other Information:**

We certify that this product meets our quality release criteria.

**Licensing Information:**

Sold for research purposes only under agreement from Massachusetts General Hospital. US patent 2022/0025254

**References:**

**Payne *et al*** (2022) Resolving the deceptive isoform and complex selectivity of HDAC1/2 inhibitors. *Cell Chem.Biol.* **29** 1140. PMID: 35298895.

**Payne *et al*** (2022) A direct high-throughput protein quantification strategy facilitates discovery and characterization of a celastrol-derived BRD4 degrader. *Cell Chem.Biol.* **29** 1333. PMID: 35649410.

**Payne *et al*** (2021) Bright and stable luminescent probes for target engagement profiling in live cells. *Nat.Chem.Biol.* **17** 1168. PMID: 34675420.

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](http://www.tocris.com/distributors)

Tel:+1 612 379 2956