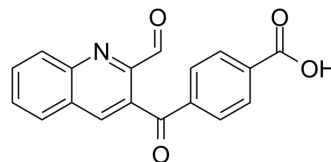


## CBQCA

Cat. No.:	HY-D1248
CAS No.:	131124-59-9
Molecular Formula:	C <sub>18</sub> H <sub>11</sub> NO <sub>4</sub>
Molecular Weight:	305.28
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

<b>Description</b>	CBQCA is a fluorescent dye for quantitation of protein (Ex=488nm, Em=530 nm) <sup>[1]</sup> .
<b>In Vitro</b>	<p>Guidelines (Following is our recommended protocol. This protocol only provides a guideline, and should be modified according to your specific needs)<sup>[1]</sup>.</p> <ol style="list-style-type: none"> <li>1. The protein to be tested and the protein standard were prepared in 100 mM sodium borate buffer, pH 9.3.</li> <li>2. Transfer the protein to the wells in amounts from 10 ng to the desired end point within the chosen range.</li> <li>3. Add the sodium borate buffer to obtain 80 mL total volume.</li> <li>4. Other buffer (pH 7.2) is PBS, add Triton X-100 to the buffer at the final concentration of 0.1%.</li> <li>5. A 10-mL volume of 10 mM KCN dissolved in water is added to each well followed by 10 mL of 5 mM CBQCA (prepared immediately before reaction) in sodium borate buffer, pH 9.3, containing 12.5% DMSO.</li> <li>6. Shake the plates to mix the contents of the wells, protected from light, and incubate for 1-5 h with shaking.</li> <li>7. Incubate the samples for 90 min.</li> <li>8. Measure the fluorescence intensity by using the CytoFluorfluorescence plate reader, Ex=488 nm, Em=530 nm.</li> </ol> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

## REFERENCES

[1]. W W You, et al. 3-(4-Carboxybenzoyl)quinoline-2-carboxaldehyde, a reagent with broad dynamic range for the assay of proteins and lipoproteins in solution. Anal Biochem. 1997 Jan 15;244(2):277-82.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA