## **Product** Data Sheet

## **BTC** tetrapotassium

 Cat. No.:
 HY-137128

 CAS No.:
 216453-54-2

 Molecular Formula:
 C<sub>33</sub>H<sub>25</sub>K<sub>4</sub>N<sub>3</sub>O<sub>12</sub>S

Molecular Weight: 844.02

Target: Fluorescent Dye

Pathway: Others

Storage: Please store the product under the recommended conditions in the Certificate of

Analysis.

## **BIOLOGICAL ACTIVITY**

Description

BTC tetrapotassium is a low affinity calcium indicator ( $K_d$  approximately 7-26  $\mu$ M) featuring many desirable properties for cellular calcium imaging, including long excitation wavelengths (400/485 nm), low sensitivity to  $Mg^{2+}$ , and accuracy of ratiometric measurement<sup>[1]</sup>.

## **REFERENCES**

[1]. Hyrc KL, et al. Neuronal free calcium measurement using BTC/AM, a low affinity calcium indicator. Cell Calcium. 1998;24(3):165-175.

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