



938 South Andreasen Drive, Suite E  
Escondido, CA 92029 USA

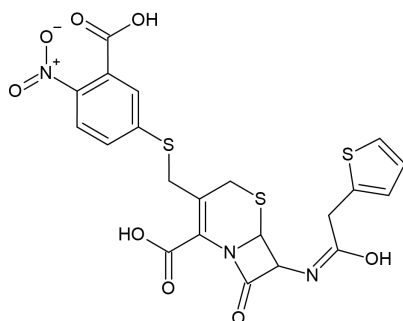
Phone: +1-760-738-1508  
Fax: +1-760-738-1530  
info@auroramedbiochem.com  
[www.auroramedbiochem.com](http://www.auroramedbiochem.com)

## CENTA $\beta$ -Lactamase Substrate

**ALTERNATE NAME:** 5-(3-Carboxy-4-nitrophenylthiomethyl)-7-oxo-8-(2-thienylacetyl-amino)-2,3-ethano-3,6-dihydro-2H-1,3-thiazine-4-carboxylic acid

**CATALOG #:** AUR10265

### STRUCTURE:



**MOLECULAR FORMULA:** C<sub>21</sub>H<sub>17</sub>N<sub>3</sub>O<sub>8</sub>S<sub>3</sub>

**MOLECULAR WEIGHT:** 535.57

**CAS#:** 9073-60-3

**APPEARANCE:** Yellow solid

**SOLUBILITY:** CH<sub>3</sub>OH or Phosphate buffer (25 mM)

**PURITY:** >98% by TLC

**STORAGE:** Store at -20°C. Protect from air and light

**DESCRIPTION:** CENTA is a chromogenic  $\beta$ -lactamase substrate for both gram-negative and gram-positive bacteria that is comparable to other chromogens (PADAC and nitrocefin). Hydrolysis of the beta-lactam ring causes a color change from light yellow ( $\lambda_{\max}$ : 340 nm) to chrome yellow ( $\lambda_{\max}$ : 405 nm)

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure