

## Product Data Sheet

Product Name: AMCA-X, N-succinimidyl ester

Cat. No.: GF16817

### Chemical Properties

Cas. No. 216309-02-3

Formula C<sub>22</sub>H<sub>25</sub>N<sub>3</sub>O<sub>7</sub>

M.Wt 443.46

Solubility

Storage Store at RT

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



### Background

AMCA-X-SE is a coumarin derivative that generates fixed blue fluorescence and an NHS-activated ester that forms stable amide bonds with primary amine groups. It is used as a reactive dye for labeling amino groups of peptides, proteins, and oligonucleotides. Maximum excitation/emission wavelength: 354/442 nm.

[1]. Hong H, et al. Surface modification of the polyethyleneimine layer on silicone oxide film via UV radiation. Applied surface science, 2009, 255(12): 6103-6106.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

## Product Data Sheet

---

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

***Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: [tech@glpbio.com](mailto:tech@glpbio.com)***

***Address: 10292 Central Ave. #205, Montclair, CA, USA***