

---

## Product Data Sheet

---

Product Name: ANS ammonium

Cat. No.: GC67632

### Chemical Properties

Cas. No. 28836-03-5

Formula  $C_{16}H_{16}N_2O_3S$  M.Wt 316.37

Solubility Storage 4°C, away from moisture

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

ANS ammonium is a potent **antibacterial** agent and a textile dye. ANS ammonium can be used as fluorescence probe. ANS ammonium blocks the binding of triiodothyronine to thyroxine binding globulin in radioimmunoassay of triiodothyronine<sup>[1][2][3]</sup>.

[1]. Polak J, et al. Bioactive Properties of a Novel Antibacterial Dye Obtained from Laccase-Mediated Oxidation of 8-Anilino-1-naphthalenesulfonic Acid. *Molecules*. 2022 Jan 13;27(2):487.

[2]. J. Am. Chem. Soc. 1978, 100, 23, 7145-7150.

[3]. Brown ML, et al. Use of 8-anilino-1-naphthalenesulfonic acid in radioimmunoassay of triiodothyronine. *J Pharm Sci*. 1974 Aug;63(8):1214-7.

**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