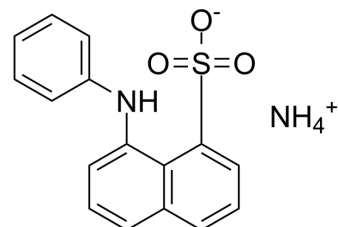


## ANS ammonium

Cat. No.:	HY-D0896A
CAS No.:	28836-03-5
Molecular Formula:	C <sub>16</sub> H <sub>16</sub> N <sub>2</sub> O <sub>3</sub> S
Molecular Weight:	316.37
Target:	Bacterial
Pathway:	Anti-infection
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### BIOLOGICAL ACTIVITY

#### Description

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]</sup> [2][3].

### REFERENCES

- [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, et al. Picosecond studies of the fluorescence probe molecule 8-anilino-1-naphthalenesulfonic acid. *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.**

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