
Product Data Sheet

Product Name: Antimicrobial Compound 1

Cat. No.: GC32296

Chemical Properties

Cas. No. 15237-83-9

SMILES CCCCCCCCCCCC[N+]1=CC=C(C(O)=O)C=C1.[Br-]

Formula C₁₈H₃₀BrNO₂ M.Wt 372.34

Solubility Soluble in DMSO Storage Store at -20°C

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**

Antimicrobial Compound 1 is an alkylpyridinium compound, with antimicrobial activity.

Antimicrobial Compound 1 (Tail 12C, Head 4-carboxyl) is an alkylpyridinium compound, with antimicrobial activity against *B. subtilis* and *E. coli*[1].

[1]. Rodríguez-Morales S, et al. 3D-QSAR, synthesis, and antimicrobial activity of 1-alkylpyridinium compounds as potential agents to improve food safety. *Eur J Med Chem.* 2005 Sep;40(9):840-9.

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

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