

## Product Data Sheet

Product Name: Antibacterial agent 143

Cat. No.: GC75507

### Chemical Properties

Cas. No. 299405-68-8

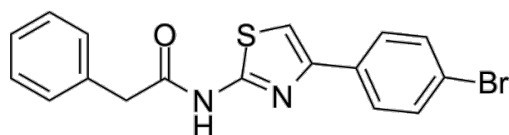
Formula  $C_{17}H_{13}BrN_2OS$  M.Wt 373.27

Solubility DMSO: 100 mg/mL (267.90 mM; Need ultrasonic) Storage 4°C, protect from light

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

Antibacterial agent 143 (Compound 5a) is an antibacterial agent with MICs of 25, 25, 50 and 50 µg/mL against *B. subtilis* ATCC6633, *S. aureus* ATCC6538, *P. aeruginosa* ATCC13525 and *E. coli*

**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

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ATCC35218, respectively<sup>[1]</sup>.

### References:

[1]. Li JR, et al. Design and synthesis of thiazole derivatives as potent FabH inhibitors with antibacterial activity. Eur J Med Chem. 2014 Mar 21;75:438-47.

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