

Product Data Sheet

Product Name: Boeravinone B

Cat. No.: GC71999

Chemical Properties

Cas. No. 114567-34-9

Formula $C_{17}H_{12}O_6$ M.Wt 312.27

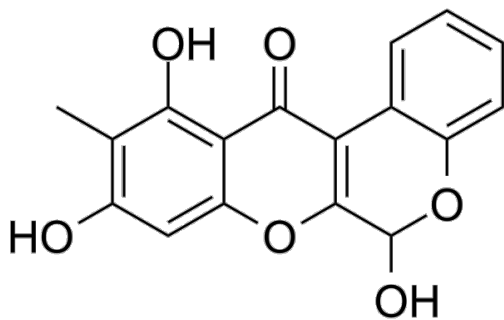
Solubility DMSO : 50 mg/mL (160.12 mM);
Need ultrasonic; Hygroscopic DMSO
has a significant impact on the
solubility of product, please use
newly opened DMSO)

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

Boeravinone B, a dual inhibitor of NorA bacterial efflux pump of Staphylococcus aureus and human P-Glycoprotein, reduces the biofilm formation and intracellular invasion of bacteria. Boeravinone B act as anti-aging and anti-apoptosis phyto-molecules during oxidative stress.

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

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Boeravinone B is also active against a methicillin-resistant *S. aureus* (MRSA) strain, which showed a fourfold reduction in the ciprofloxacin MIC^[1].

References:

- [1]. Samsher Singh, Boeravinone B, A Novel Dual Inhibitor of NorA Bacterial Efflux Pump of *Staphylococcus aureus* and Human P-Glycoprotein, Reduces the Biofilm Formation and Intracellular Invasion of Bacteria. *Front Microbiol.* 2017 Oct 4;8:1868.
- [2]. Shivtej P Biradar, et al. Chebulinic acid and Boeravinone B act as anti-aging and anti-apoptosis phyto-molecules during oxidative stress. *Mitochondrion.* 2019 May;46:236-246.

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