

# Product Information

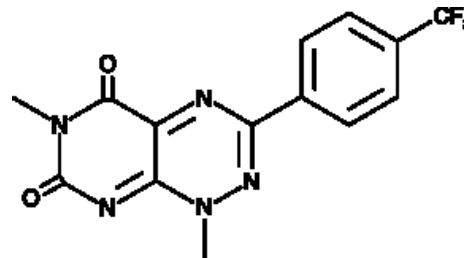


## Walrycin B

Cat No: 21566 - 1 mg

### General Data

Shipping:	dry ice
Formulation:	A crystalline solid
Purity:	≥98%



### Product Overview

Walrycin B is an antibiotic that has activity against Gram-positive bacteria (MICs = 0.39 and 3.13 µg/ml for *B. subtilis* and *S. aureus*, respectively) via inhibition of WalR, a response regulator that is essential to bacterial viability.[37399] It inhibits WalR-induced repression of EGFP signaling in a reporter assay in a concentration-dependent manner. Walrycin B alters expression of WalR regulon genes, decreasing *ydjM*, *yocH*, and *ycvE* and increasing *yoeB* and *yjeA* expression in *B. subtilis*. It also halts transcription of *isaA* and *ssaA* in *S. aureus*. Overexpression of WalR induces a 4- and 2-fold increase in the MIC against *B. subtilis* and *S. aureus*, respectively, indicating cell death is induced specifically through inhibition of WalR by walrycin B.

FP/18/24

For research laboratory use only – Not for human diagnostic use.

Buyers agree to purchase the material subject to Purchasing Terms that can be found on our website. Seek appropriate training to safely handle this product under normal conditions. Use the recommended personal protective equipment to prevent chemical exposures.

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