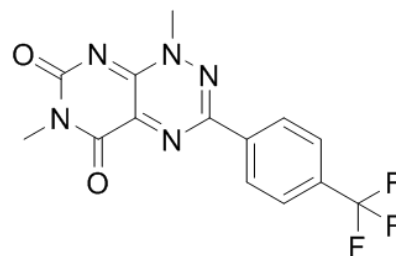


Product Name : Walrycin B
Cat. No. : PC-45436
CAS No. : 878419-78-4
Molecular Formula : C₁₄H₁₀F₃N₅O₂
Molecular Weight : 337.2567
Target : Bacterial
Solubility : DMSO: 11.5 mg/mL



Biological Activity

Walrycin B is a bacterial **WalR** response regulator, an analogue of toxoflavin and a potent SARS-CoV-2 **3CLpro** inhibitor with IC₅₀ of 0.26 μM.

Walrycin B simultaneously affects the expression of WalR regulon genes, leading to phenotypes consistent with those of cells starved for the WalK/WalR system and having a bactericidal effect.

Walrycin B shows MICs of 0.39 mg/mL and 3.13 mg/mL against *B. subtilis* 168 and *S. aureus* N315, respectively.

Walrycin B also is a separase inhibitor, exerts potent anticancer efficacy in a mouse xenograft model.

Walrycin B has potent activity of inhibiting bacteria growth, and anticancer activity.

References

Gotoh Y, et al. J Antibiot (Tokyo). 2010 Mar;63(3):127-34.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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