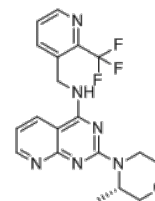


**Product Name** : AWZ1066S  
**Cat. No.** : PC-21811  
**CAS No.** : 2239272-16-1  
**Molecular Formula** : C<sub>19</sub>H<sub>19</sub>F<sub>3</sub>N<sub>6</sub>O  
**Molecular Weight** : 404.40  
**Target** : Parasite  
**Solubility** : 10 mM in DMSO



CAS: 2239272-16-1

## Biological Activity

AWZ1066S is a potent, highly specific anti-Wolbachia inhibitor with EC<sub>50</sub> of 2.5 nM against Wolbachia in cell-based assays, and IC<sub>50</sub> of 121 nM in microfilaria assays.

AWZ1066 reduces Wolbachia within the microfilariae (mf) of the human parasite *B. malayi* with an EC<sub>50</sub> of 150 nM.

AWZ1066S (100 mg/kg) reduces Wolbachia by 98% after only 7 d orally administered treatment in adult *B. malayi* SCID mouse model.

AWZ1066S shows minimal impact on the gut microbiota, lowering the risk of dysbiosis and the selection and emergence of resistance.

## References

Hong W. D. et al. Proc. Natl. Acad. Sci. U. S. A. 116, 1414–1419.

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

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