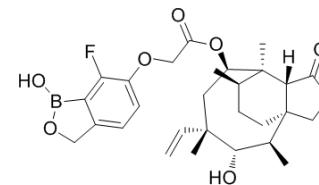


## AN11251

Cat. No.:	HY-111543
CAS No.:	2130750-59-1
Molecular Formula:	C <sub>29</sub> H <sub>38</sub> BFO <sub>7</sub>
Molecular Weight:	528.42
Target:	Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the COA.



### BIOLOGICAL ACTIVITY

<b>Description</b>	AN11251 is a potent and oral active <b>anti-Wolbachia</b> agent with potential for treatment of onchocerciasis and lymphatic filariasis, with EC <sub>50</sub> values of 1.5 nM in LDW1 cell lines and 15 nM in C6/36 cell lines <sup>[1]</sup> .								
<b>In Vivo</b>	AN11251 (25 mg/kg, PO, BID for 7 or 14 days) reduces the Wolbachia load in the B. malayi larvae by 75.4% and 98.8% in the 7- and 14-day treatment groups, respectively <sup>[1]</sup> . <table border="1" data-bbox="345 1003 1511 1276"> <tr> <td><b>Animal Model:</b></td> <td>CB.17 SCID mice inoculated with 50 L3-stage B. malayi larvae<sup>[1]</sup>.</td> </tr> <tr> <td><b>Dosage:</b></td> <td>25 mg/kg.</td> </tr> <tr> <td><b>Administration:</b></td> <td>Orally, BID for 7 or 14 days.</td> </tr> <tr> <td><b>Result:</b></td> <td>Reduced the Wolbachia load in the B. malayi larvae by 75.4% and 98.8% in the 7- and 14-day treatment groups, respectively.</td> </tr> </table>	<b>Animal Model:</b>	CB.17 SCID mice inoculated with 50 L3-stage B. malayi larvae <sup>[1]</sup> .	<b>Dosage:</b>	25 mg/kg.	<b>Administration:</b>	Orally, BID for 7 or 14 days.	<b>Result:</b>	Reduced the Wolbachia load in the B. malayi larvae by 75.4% and 98.8% in the 7- and 14-day treatment groups, respectively.
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### REFERENCES

[1]. Jacobs RT, et al. Boron-Pleuromutilins as Anti- Wolbachia Agents with Potential for Treatment of Onchocerciasis and Lymphatic Filariasis. J Med Chem. 2019 Mar 14;62(5):2521-2540.

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

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