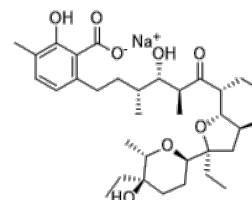


Product Name : Lasalocid sodium
Cat. No. : PC-23573
CAS No. : 25999-20-6
Molecular Formula : C₃₄H₅₃NaO₈
Molecular Weight : 612.78
Target : MyD88
Solubility : 10 mM in DMSO



Biological Activity

Lasalocid sodium (Lasalocid A, Lasalocid-A) is a feed additive widely used in ruminant nutrition, selectively induces the degradation of MYD88 in lymphomas harboring the MYD88 L265P mutation, directly binds to the MYD88 L265P protein, enhancing its interaction with the E3 ligase RNF5.

Lasalocid A selectively inhibited the viability of lymphoma cells expressing MYD88 L265P and the associated activation of NF-κB.

Lasalocid A promotes MYD88 degradation through the ubiquitin-dependent proteasomal pathway, specifically in lymphomas with the MYD88 L265P mutation.

Lasalocid A exhibits strong antitumor efficacy in xenograft mouse models, induces disease remission in ibrutinib-resistant lymphomas, and shows synergistic activity with the BCL2 inhibitor venetoclax.

References

Li W, et al. Blood. 2024 Nov 22;blood.2024026781.

Basmaeil SM, et al. Front Vet Sci. 2023 Jun 12;10:1181426.

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

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