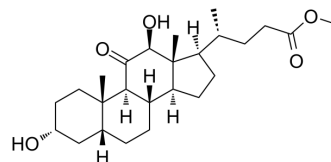


BAA473

Cat. No.:	HY-123879
CAS No.:	27240-87-5
Molecular Formula:	C ₂₅ H ₄₀ O ₅
Molecular Weight:	420.58
Target:	Interleukin Related
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	BAA473 is a bile acid analog and is a potent activator of the pyrin inflammasome that induces the secretion of interleukin 18 (IL-18) through activation of the inflammasome in both myeloid and intestinal epithelial cells ^[1] .								
IC₅₀ & Target	IL-1								
In Vitro	<p>BAA473 (0-33 μM; 24 hours; THP-1-Cas9 cells) treatment induces cell death in LPS-primed THP-1-Cas9 cells^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Cell Viability Assay^[1]</p> <table border="1"> <tr> <td>Cell Line:</td> <td>THP-1-Cas9 cells</td> </tr> <tr> <td>Concentration:</td> <td>0 μM, 0.1 μM, 0.4 μM, 1.2 μM, 3.7 μM, 11 μM, 33 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>24 hours</td> </tr> <tr> <td>Result:</td> <td>Induced cell death.</td> </tr> </table>	Cell Line:	THP-1-Cas9 cells	Concentration:	0 μM, 0.1 μM, 0.4 μM, 1.2 μM, 3.7 μM, 11 μM, 33 μM	Incubation Time:	24 hours	Result:	Induced cell death.
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Incubation Time:	24 hours								
Result:	Induced cell death.								

REFERENCES

[1]. Alimov I, et al. Bile acid analogues are activators of pyrin inflammasome. J Biol Chem. 2019 Mar 8;294(10):3359-3366.

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

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