

BAA473

Chemical Properties

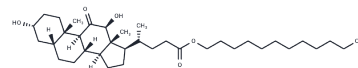
CAS No. :

Formula: C₃₆H₆₂O₅

Molecular Weight: 574.87

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	BAA473 is a bile acid analog that is a potent activator of the pyrin inflammasome. BAA473 can induce secretion of interleukin-18 (IL-18) through activation of the inflammasome in both myeloid and intestinal epithelial cells [1].
Targets(IC50)	Others
In vitro	BAA473 (0-33 μ M; 24 hours; THP-1-Cas9 cells) treatment induces LPS-primed cell death in THP-1-Cas9 cells. [1]. Cell Viability Assay [1] Cell Line: THP-1-Cas9 cells Concentration: 0 μ M, 0.1 μ M, 0.4 μ M, 1.2 μ M, 3.7 μ M, 11 μ M, 33 μ M Incubation Time: 24 hours Result: Induced cell death.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7395 mL	8.6976 mL	17.3952 mL
5 mM	0.3479 mL	1.7395 mL	3.479 mL
10 mM	0.174 mL	0.8698 mL	1.7395 mL
50 mM	0.0348 mL	0.174 mL	0.3479 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

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

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