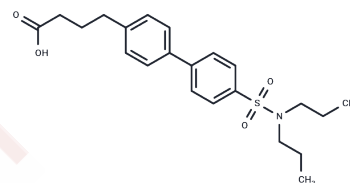


ADS032

## Chemical Properties

CAS No. : 2757333-37-0  
 Formula: C<sub>22</sub>H<sub>29</sub>NO<sub>4</sub>S  
 Molecular Weight: 403.54  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
*Actual storage temperature shall be subject to the COA.*



## Biological Description

Description	ADS032 (BT-032) is an NLRP1 and NLRP3 inhibitor with anti-inflammatory activity,, inhibits the activation of NLRP1 and NLRP3, inhibits Nigericin-induced IL-1 $\beta$ production, and can be used to study respiratory inflammation or infection.
Targets(IC50)	NOD-like Receptor (NLR),NOD,Interleukin

## Solubility Information

Solubility	Ethanol: 5 mg/mL (12.39 mM),Sonication and heating are recommended. DMSO: 25 mg/mL (61.95 mM),Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 2.5 mg/mL (6.2 mM),Suspension. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4781 mL	12.3903 mL	24.7807 mL
5 mM	0.4956 mL	2.4781 mL	4.9561 mL
10 mM	0.2478 mL	1.239 mL	2.4781 mL
50 mM	0.0496 mL	0.2478 mL	0.4956 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Docherty CA, et al. A novel dual NLRP1 and NLRP3 inflammasome inhibitor for the treatment of inflammatory diseases. Clin Transl Immunology. 2023 Jun 22;12(6):e1455.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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