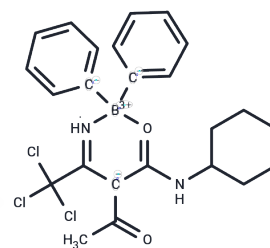


NBC 19

## Chemical Properties

CAS No. : 2068818-75-5  
 Formula: C<sub>24</sub>H<sub>26</sub>Cl<sub>3</sub>N<sub>2</sub>O<sub>2</sub>  
 Molecular Weight: 491.65  
 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	Potent NLRP3 inflammasome inhibitor (IC <sub>50</sub> = 60-80 nM). Inhibits nigericin- and ATP-induced IL-1 $\beta$ release.
Targets(IC <sub>50</sub> )	Others, NOD-like Receptor (NLR)

## Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.034 mL	10.1698 mL	20.3397 mL
5 mM	0.4068 mL	2.034 mL	4.0679 mL
10 mM	0.2034 mL	1.017 mL	2.034 mL
50 mM	0.0407 mL	0.2034 mL	0.4068 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

Baldwin et al (2017) Boron-Based Inhibitors of the NLRP3 Inflammasome. Cell Chem.Biol. 24 1321 PMID:28943355  
 Redondo-Castro et al (2018) Development of a characterised tool kit for the interrogation of NLRP3 inflammasome-dependent responses. Sci.Rep. 8 5667 PMID:29618797

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481