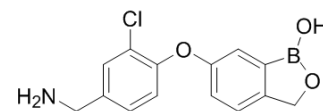


## AN-3485

<b>Cat. No.:</b>	HY-18325		
<b>CAS No.:</b>	1213827-99-6		
<b>Molecular Formula:</b>	C <sub>14</sub> H <sub>13</sub> BClNO <sub>3</sub>		
<b>Molecular Weight:</b>	289.52		
<b>Target:</b>	Toll-like Receptor (TLR)		
<b>Pathway:</b>	Immunology/Inflammation		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 5 mg/mL (17.27 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.4540 mL	17.2700 mL	34.5399 mL
	5 mM	0.6908 mL	3.4540 mL	6.9080 mL
	10 mM	0.3454 mL	1.7270 mL	3.4540 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

AN-3485 is a benzoxaborole analog, Toll-Like Receptor(TLR) inhibitor with IC<sub>50</sub> values ranging from 18 to 580 nM.

#### IC<sub>50</sub> & Target

IC<sub>50</sub> AN-3485 inhibits TLR2-, TLR3-, TLR4-, and TLR5-mediated TNF-α, IL-1β, and IL-6 release with IC<sub>50</sub> values of human PBMCs (103±68 nM, 68±63 nM, 72±33 nM) and isolated monocytes (77±26 nM; 18±6.7 nM; 32±6.5 nM) [1].

### REFERENCES

[1]. Dong C, et al. Inhibition of Toll-like receptor-mediated inflammation in vitro and in vivo by a novel benzoxaborole. J Pharmacol Exp Ther. 2013 Feb;344(2):436-46.

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

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