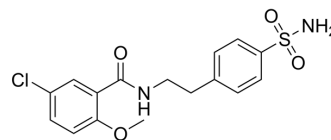


## NLRP3-IN-2 (Standard)

<b>Cat. No.:</b>	HY-W011082R
<b>CAS No.:</b>	16673-34-0
<b>Molecular Formula:</b>	C <sub>16</sub> H <sub>17</sub> ClN <sub>2</sub> O <sub>4</sub> S
<b>Molecular Weight:</b>	368.84
<b>Target:</b>	NOD-like Receptor (NLR)
<b>Pathway:</b>	Immunology/Inflammation
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 125 mg/mL (338.90 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	2.7112 mL	13.5560 mL	27.1120 mL	
5 mM	0.5422 mL	2.7112 mL	5.4224 mL	
10 mM	0.2711 mL	1.3556 mL	2.7112 mL	

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

### BIOLOGICAL ACTIVITY

#### Description

NLRP3-IN-2 (Standard) is the analytical standard of NLRP3-IN-2. This product is intended for research and analytical applications. NLRP3-IN-2, an intermediate substrate in the synthesis of glyburide, inhibits the formation of the NLRP3 inflammasome in cardiomyocytes and limits the infarct size following myocardial ischemia/reperfusion in the mouse, without affecting glucose metabolism<sup>[1]</sup>.

### REFERENCES

[1]. Carlo Marchetti, et al. A novel pharmacologic inhibitor of the NLRP3 inflammasome limits myocardial injury after ischemia-reperfusion in the mouse. *J Cardiovasc Pharmacol.* 2014 Apr;63(4):316-322.

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

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