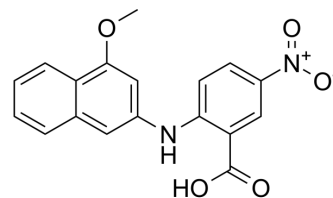


## MONNA

<b>Cat. No.:</b>	HY-100613		
<b>CAS No.:</b>	1572936-83-4		
<b>Molecular Formula:</b>	C <sub>18</sub> H <sub>14</sub> N <sub>2</sub> O <sub>5</sub>		
<b>Molecular Weight:</b>	338.31		
<b>Target:</b>	Chloride Channel		
<b>Pathway:</b>	Membrane Transporter/Ion Channel		
<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 : 55.56 mg/mL (164.23 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.9559 mL	14.7793 mL	29.5587 mL
	5 mM	0.5912 mL	2.9559 mL	5.9117 mL
	10 mM	0.2956 mL	1.4779 mL	2.9559 mL

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

### BIOLOGICAL ACTIVITY

#### Description

MONNA is a potent transmembrane protein 16A (TMEM16A, Anoctamin-1) blocker with an IC<sub>50</sub> of 80 nM. MONNA induces vasorelaxation of rodent resistance arteries in presence or absence of chloride ions<sup>[1]</sup>.

### REFERENCES

[1]. Oh SJ, et al. MONNA, a potent and selective blocker for transmembrane protein with unknown function 16/anoctamin-1. Mol Pharmacol. 2013 Nov;84(5):726-35.

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

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