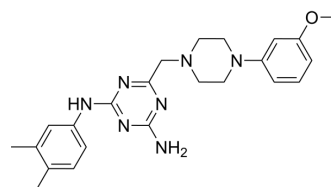


## GLX481304

<b>Cat. No.:</b>	HY-153977
<b>CAS No.:</b>	701224-63-7
<b>Molecular Formula:</b>	C <sub>23</sub> H <sub>29</sub> N <sub>7</sub> O
<b>Molecular Weight:</b>	419.52
<b>Target:</b>	NADPH Oxidase
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 10 mg/mL (23.84 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	2.3837 mL	11.9184 mL	23.8368 mL	
5 mM	0.4767 mL	2.3837 mL	4.7674 mL	
10 mM	0.2384 mL	1.1918 mL	2.3837 mL	

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

### BIOLOGICAL ACTIVITY

#### Description

GLX481304 is a specific inhibitor of Nox-2 and -4, with IC<sub>50</sub>s of 1.25 μM. GLX481304 suppresses ROS production in isolated mouse cardiomyocytes and improves cardiomyocyte contractility. GLX481304 can be used for research of ischemic injury to the heart<sup>[1]</sup>.

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

Nox-2/4<sup>[1]</sup>

### REFERENCES

[1]. Szekeres FLM, et al. A small molecule inhibitor of Nox2 and Nox4 improves contractile function after ischemia-reperfusion in the mouse heart. Sci Rep. 2021 Jun 7;11(1):11970.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA