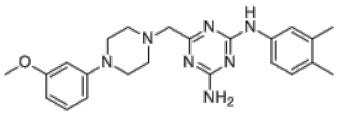
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Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	GLX481304
Cat. No.	:	PC-47046
CAS No.	:	701224-63-7
Molecular Formula	:	$C_{23}H_{29}N_7O$
Molecular Weight	:	419.533
Target	:	NADPH Oxidase (NOX)
Solubility	:	10 mM in DMSO



Biological Activity

GLX481304 is a specific small molecule inhibitor of **Nox2** and **Nox4** with IC50 values of 1.25 uM, shows negligible effects on Nox1.
GLX481304 inhibits generation of reactive oxygen species in isolated cardiomyocytes.
GLX481304 improves cardiomyocyte contractility after hypoxia-reoxygenation.
GLX481304 improves whole heart contractility after hypoxia-reoxygenation in Langendorff perfused mouse heartsimproves whole heart contractility after hypoxia-reoxygenation in Langendorff perfused mouse hearts.

References

Ferenc L M Szekeres, et al. ***Sci Rep.*** 2021 Jun 7;11(1):11970.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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