

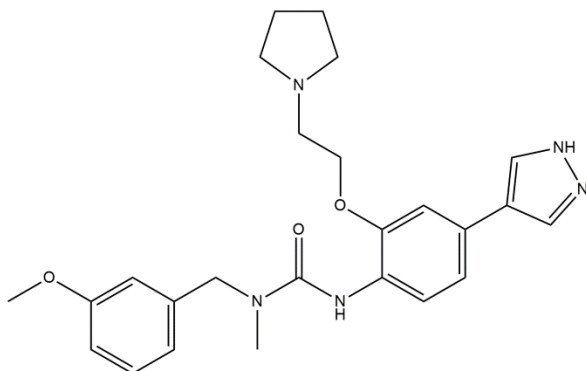
ROCK-II Inhibitor

11/19

ALTERNATE NAMES: 3-(4-(1H-pyrazol-4-yl)-2-(2-(pyrrolidin-1-yl)ethoxy)phenyl)-1-(3-methoxybenzyl)-1-methylurea; N-[(3-methoxyphenyl)methyl]-N-methyl-N'-[4-(1H-pyrazol-4-yl)-2-[2-(1-pyrrolidinyl)ethoxy]phenyl]-Urea; 1-[(3-methoxyphenyl)methyl]-1-methyl-3-[4-(1H-pyrazol-4-yl)-2-(2-pyrrolidin-1-ylethoxy)phenyl]urea; 1-(3-Methoxy-benzyl)-1-methyl-3-[4-(1H-pyrazol-4-yl)-2-(2-pyrrolidin-1-yl-ethoxy)-phenyl]-urea

CATALOG #: B2934-5 5 mg
B2934-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₅H₃₁N₅O₃

MOLECULAR WEIGHT: 449.55

CAS NUMBER: 1225199-26-7

APPEARANCE: Solid

PURITY: 95%

SOLUBILITY: Soluble in DMSO

DESCRIPTION: ROCK Inhibitor-II inhibits the Rho kinase ROCK-II with an IC₅₀ <1 nM. It inhibits the cell based Myosin Light Chain (MLC) bisphosphorylation with an IC₅₀ of 7 nM.

STORAGE TEMPERATURE: -20°C

REFERENCE: Yin, Y., Cameron, M.D., Lin, L., et al. Discovery of Potent and Selective Urea-Based ROCK Inhibitors and Their Effects on Intraocular Pressure in Rats. ACS Med Chem Lett. 1(4):175-9 (2010).

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

GSK-269962 hydrochloride (Cat. No. B2425)
 EZSolution™ Fasudil hydrochloride, Sterile-filtered (Cat. No. B2249)
 GSK429286A (Cat. No. 2637)
 Netarsudil dihydrochloride (Cat. No. B2387)
 Y-27632, dihydrochloride (Cat. No. 1596)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*