

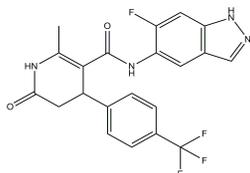
## Product: GSK429286A

**ALTERNATE NAME:** 4-[4-(Trifluoromethyl)phenyl]-N-(6-Fluoro-1H-indazol-5-yl)-2-methyl-6-oxo-1,4,5,6-tetrahydro-3-pyridinecarboxamide; GSK429286

**CATALOG #:** 2637-1, 5

**AMOUNT:** 1 mg, 5 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>21</sub>H<sub>16</sub>F<sub>4</sub>N<sub>4</sub>O<sub>2</sub>

**MOLECULAR WEIGHT:** 432.27

**CAS No.** 864082-47-3

**APPEARANCE:** White solid

**SOLUBILITY:** DMSO (~40 mg/ml) or EtOH (~10 mg/ml)

**PURITY:** >98% by HPLC

**STORAGE:** Store at -20°C. Protect from air and light

**DESCRIPTION:** GSK429286A is a potent and selective Rho-Kinase (ROCK) inhibitor (IC<sub>50</sub> = 14 and 63 nM for ROCK1 and ROCK2, respectively). ROCK inhibitors have been found to prevent apoptosis, as well as enhance the survival and cloning efficiency of dissociated human embryonic stem (ES) cells without affecting their self-renewal properties or pluripotency.

**REFERENCES:** Nichols, R.J., *et al.* (2009). *Biochem. J.* **424**, 47-60.

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

### RELATED PRODUCTS:

DiscoveryPak™ Stem Cell Fate Regulator Set I (Cat. No. K852-3)  
DiscoveryPak™ Stem Cell Fate Regulator Set II (Cat. No. K853-8)  
DiscoveryPak™ Stem Cell Fate Regulator Set III (Cat. No. K854-3)  
DiscoveryPak™ Stem Cell Fate Regulator Set IV (Cat. No. K855-3)  
DiscoveryPak™ Stem Cell Fate Regulator Set V (Cat. No. K865-5)  
DiscoveryPak™ Stem Cell Fate Regulator Set VI (Cat. No. K866-5)  
DiscoveryPak™ Stem Cell Fate Regulator Set VII (Cat. No. K866-10)  
(±) -Bay K 8644 (Cat. No. 1682-5)  
BIX01294 (Cat. No. 1678-5, 25)  
CHIR99021 (Cat. No. 1677-5, 25)  
EZSolution™ CHIR99021 (Cat. No. 1748-5)  
PD0325901 (Cat. No. 1643-2)  
PluriSin1 (Cat. No. 2471-10, 50)  
PS-48 (Cat. No. 1869-5)  
Pyrintegrin (Cat. No. 1729-1,5)  
EZSolution™ Pyrintegrin (Cat. No. 1737-1)  
RepSox (Cat. No. 1894-5, 25)  
Reversine (Cat. No. 1851-1, 5)  
RG 108 (Cat. No. 1679-10,30)  
SB-431542 (Cat. No. 1674-1)  
EZSolution™ SB-431542 (Cat. No. 1872-1)  
SCD1 Inhibitor (Cat. No. 1716-1, 5)  
Sodium Butyrate (Cat. No. 1609-100, 1000)  
StemBoost™ Reprogramming Cocktail Set I (Cat. No. K869-1ML, 5ML, 1set) StemBoost™  
Reprogramming Cocktail Set II (Cat. No. K870-1ML, 5ML, 1set)  
Thiazovivin (Cat. No. 1681-1,5)  
EZSolution™ Thiazovivin (Cat. No. 1736-1)  
Tranylcypromine Hemisulfate (Parnate) (Cat. No. 1816-25,100)  
Valproic Acid, Sodium Salt (Cat. No. 1647-200)  
Y-27632,2 HCl (Cat. No. 1596-1, 5, 50)  
EZSolution™ Y-27632, HCl (Cat. No. 1784-5)

**FOR RESEARCH USE ONLY! Not to be used in humans.**