



# Data Sheet

Research Use Only

## Compound Name

GSK429286A

## Catalog Number

SM21

## Activity

GSK429286A is a cell-permeable, selective Rho-associated kinase (ROCK) inhibitor, active for ROCK1 and ROCK2. GSK429286A is a more selective ROCK2 inhibitor than the widely utilized ROCK inhibitor Y-27632 as assessed on kinase-specificity panel, and does not significantly inhibit LRRK2.

## Purity

>98%

## Formula

$C_{21}H_{16}F_4N_4O_2$

## Solubility

DMSO

## Alternative Names

GSK 429286, GSK-429286, dihydropyridone indazole, N-(6-fluoro-1H-indazol-5-yl)-2-methyl-6-oxo-4-(4-(trifluoromethyl)phenyl)-1,4,5,6-tetrahydropyridine-3-carboxamide

## Effect

GSK429286A significantly inhibits rat aortic ring dilation and reduces mean arterial pressure in the spontaneously hypertensive rats (SHRs).

## CAS

864082-47-3

## Molecular Weight

432.37

## Stability

Stable at -20°C. Keep away from direct sunlight.

## References

1. Nichols, R.J., et al. 2009. Biochem J. 424(1): 47-60. PMID: 19740074
2. Sharon-Frilling, R. and Shenk, T. 2014. Proc Natl Acad Sci USA. 111(12): E1140-1148. PMID: 24616524