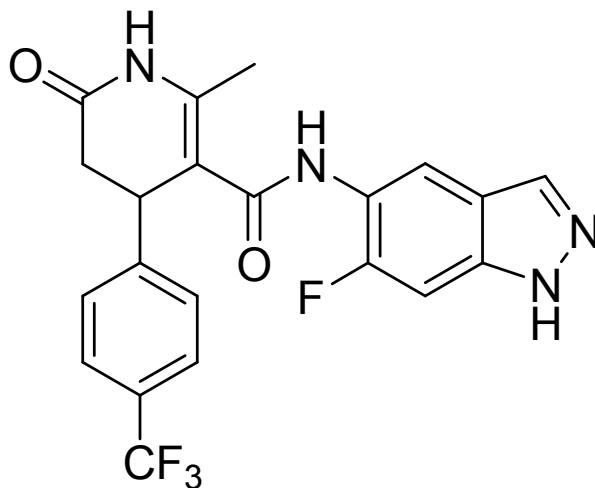


GSK429286A

SYN-1071



N-(6-fluoro-1H-indazol-5-yl)-4-(4-(trifluoromethyl)phenyl)-1,4,5,6-tetrahydro-2-methyl-6-oxopyridine-3-carboxamide

CAS Registry No.: 864082-47-3

Smiles String:

CC1=C(C(CC(=O)N1)c2ccc(cc2)C(F)(F)F)C(=O)Nc3cc4cn[nH]c4cc3F

Molecular Weight: 432.37

Molecular Formula: C₂₁H₁₆F₄N₄O₂

Lot Number: Refer to vial

¹H-NMR: Available on request

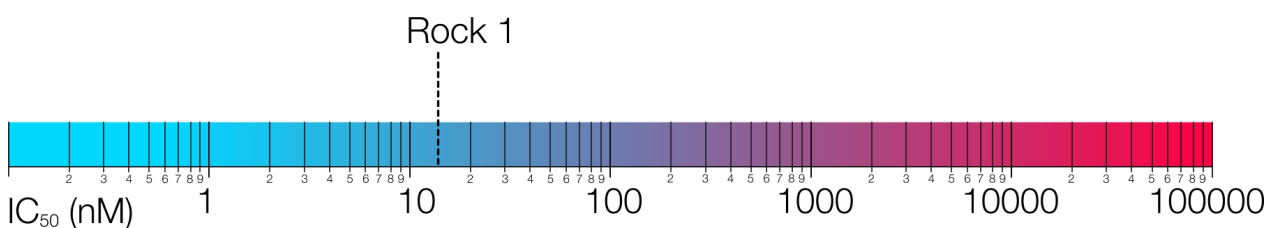
HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

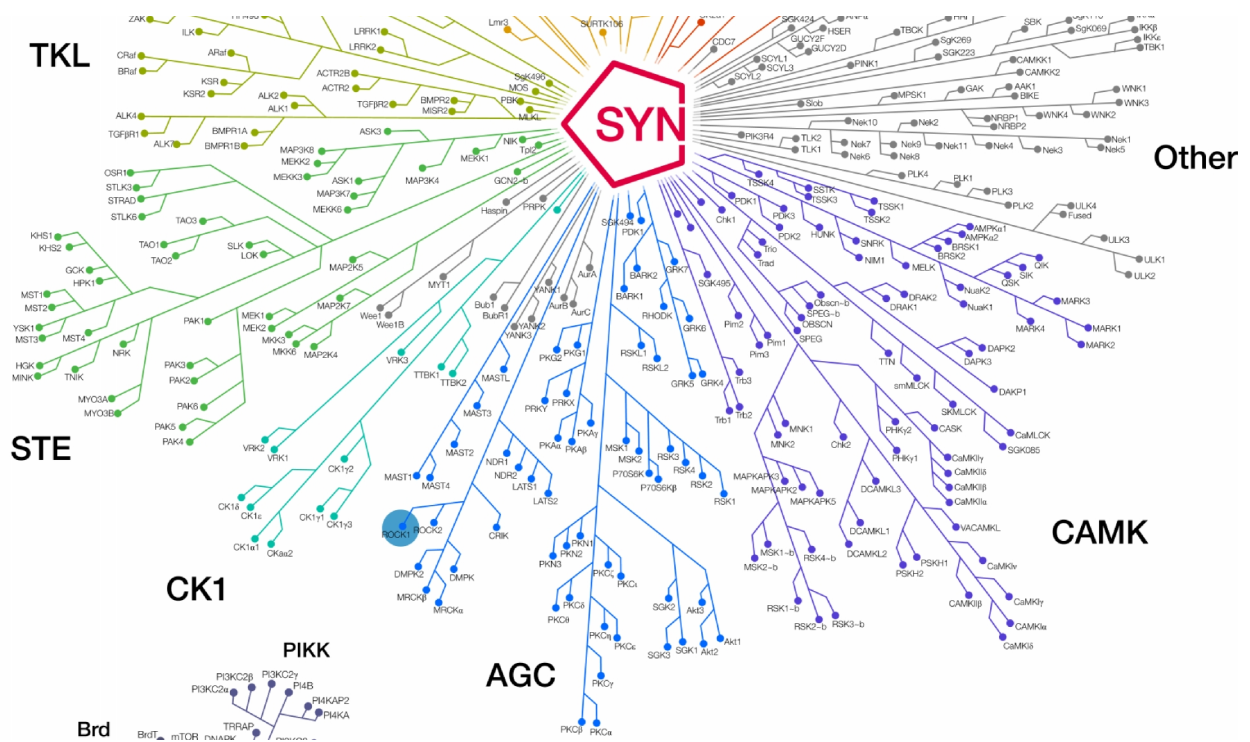
Description:

GSK429286A is a potent and selective inhibitor of Rho-associated kinase (ROCK1), with an IC₅₀ of 14nM. It is orally available and has been shown to dramatically reduce mean arterial pressure in spontaneously hypertensive rats.

Biological Activity



Kinome Mapping



Shipping and Storage Temperature

Shipping:
Ambient

Storage:
2 years -20C, Powder 1 month, -4C in DMSO, More than one month -80C in DMSO

Solubility

15 mM in DMSO

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.4323	4.3237	8.6474	21.6185

References

1. Nichols RJ, Dzamko N, Hutt J, Cantley LC, Deak M, Moran J, Bamborough P, Reith AD, Alessi DR. Substrate specificity and inhibitors of LRRK2, a protein kinase mutated in Parkinson's disease. *Biochem J.* 2009 Oct 23;424(1):47-60. doi: 10.1042/BJ20091035. PubMed PMID: 19740074; PubMed Central PMCID: PMC3759966.

Ordering Information

To order more of this or any other SYNkinase compound, go to synkinase.com, Call us Toll Free (US Only) at 1- 877-854-6273 or email orders@synkinase.com.

Product Datasheet (Rev. 1.1)