

**S6K-18**

**SYN-1132**

2-(3-(1H-indazol-5-yl)ureido)-5-tert-butylthiophene-3-carboxylic acid

CAS Registry No.: 1265789-88-5

Smiles String:

CC(C)(C)c1cc(c(s1)NC(=O)Nc2ccc3c(c2)cn[nH]3)C(=O)O

Molecular Weight: 358.41

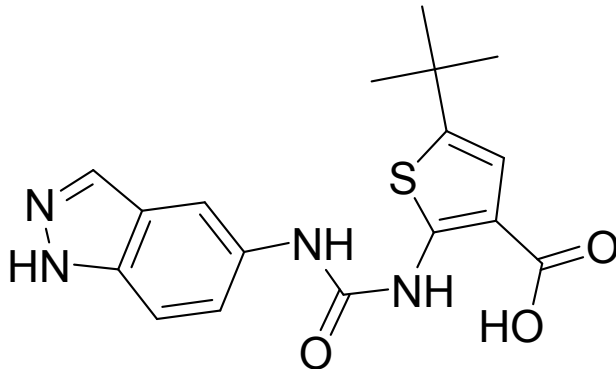
Molecular Formula: C<sub>17</sub>H<sub>18</sub>N<sub>4</sub>O<sub>3</sub>S

Lot Number: Refer to vial

<sup>1</sup>H-NMR: Available on request

HPLC (Purity): > 95.0% @ 254 nm

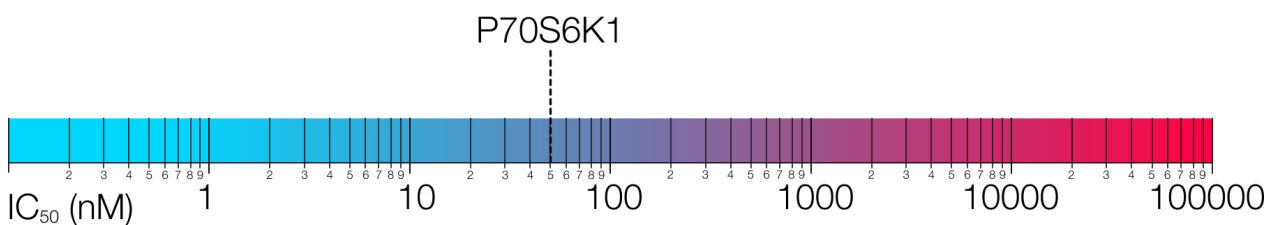
ES-MS: Available on request



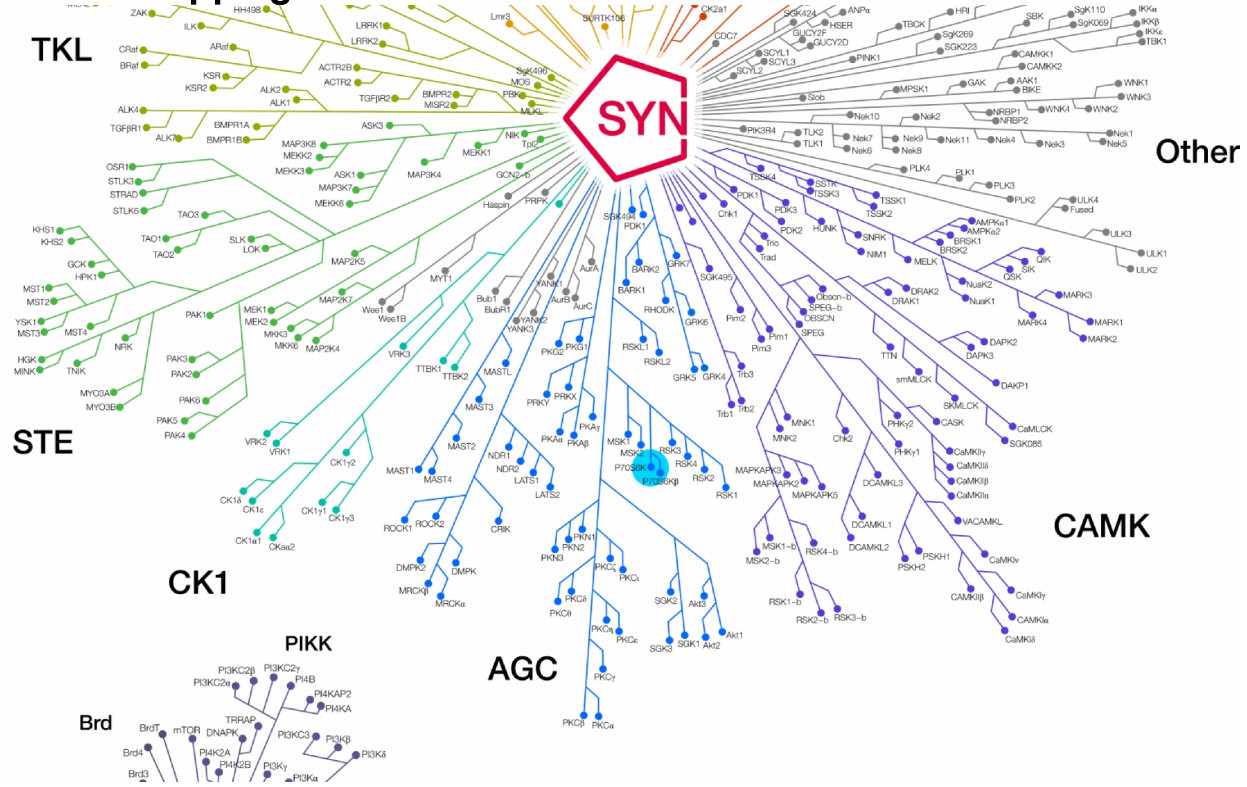
## Description:

S6K-18 is a highly selective inhibitor of S6K1, with an IC<sub>50</sub> of 52nM.

## 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)	0.3584	3.5841	7.1682	17.9205

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## References

1. Ye P, Kuhn C, Juan M, Sharma R, Connolly B, Alton G, Liu H, Stanton R, Kablaoui NM. Potent and selective thiophene urea-templated inhibitors of S6K. *Bioorg Med Chem Lett*. 2011 Jan 15;21(2):849-52. doi: 10.1016/j.bmcl.2010.11.069. Epub 2010 Nov 21.

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## Ordering Information

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

Product Datasheet (Rev. 1.1)