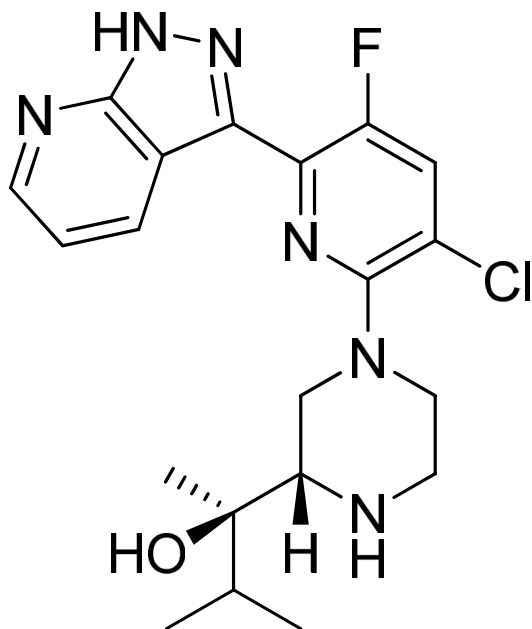


**VTX-27****SYN-1206**

(R)-2-((S)-4-(3-chloro-5-fluoro-6-(1H-pyrazolo[3,4-b]pyridin-3-yl)pyridin-2-yl)piperazin-2-yl)-3-methylbutan-2-ol

CAS Registry No.: 1321924-70-2

Smiles String:

CC(C)[C@](O)(C)[C@]1([H])CN(C2=C(Cl)C=C(F)C(C3=NNC4=C3C=CC=N4)=N2)CCN1

Molecular Weight: 418.9

Molecular Formula: C<sub>20</sub>H<sub>24</sub>ClFN<sub>6</sub>O

Lot Number: Refer to vial

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

HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

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## Description:

VTX-27 is a potent and selective inhibitor of the PKC  $\theta$  enzyme, with over 1000-fold against classical isoforms and over 10000-fold against atypical isoforms.

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## Biological Activity

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## Kinome Mapping

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## Shipping and Storage Temperature

### Shipping:

Ambient

### Storage:

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

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## Solubility

Soluble in DMSO

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## Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.5296	5.2960	10.5920	26.4800

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## References

1. Jimenez JM, Boyall D, Brenchley G, Collier PN, Davis CJ, Fraysse D, Keily SB, Henderson J, Miller A, Pierard F, Settimo L, Twin HC, Bolton CM, Curnock AP, Chiu P, Tanner AJ, Young S. Design and optimization of selective protein kinase C  $\theta$  (PKC  $\theta$ ) inhibitors for the treatment of autoimmune diseases. *J Med Chem.* 2013 Mar 14;56(5):1799-810. doi: 10.1021/jm301465a. Epub 2013 Feb 11. PubMed PMID: 23398373.1.

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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)