

# Bisindoylmaimide X HCl

SYN-1021

3-(8-(aminomethyl)-6,7,8,9-tetrahydropyrido[1,2-a]indol-10-yl)-4-(1-methyl-1H-indol-2-yl)-1H-pyrrole-2,5-dione hydrochloride

CAS Registry No.: 145317-11-9

**Smiles String:**

Cn1c2ccccc2cc1C3=C(C(=O)NC3=O)c4c5cccc5n6c4CC(CC6)CN.Cl

Molecular Weight: 460.96

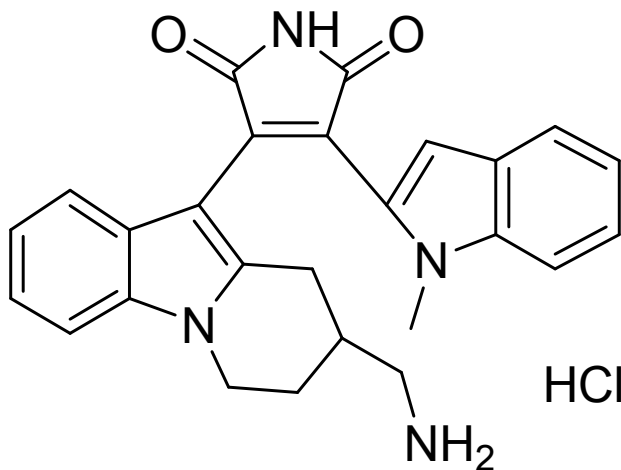
Molecular Formula: C<sub>26</sub>H<sub>24</sub>N<sub>4</sub>O<sub>2</sub>.HCl

Lot Number: Refer to vial

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

HPLC (Purity): > 95.0% @ 254 nm

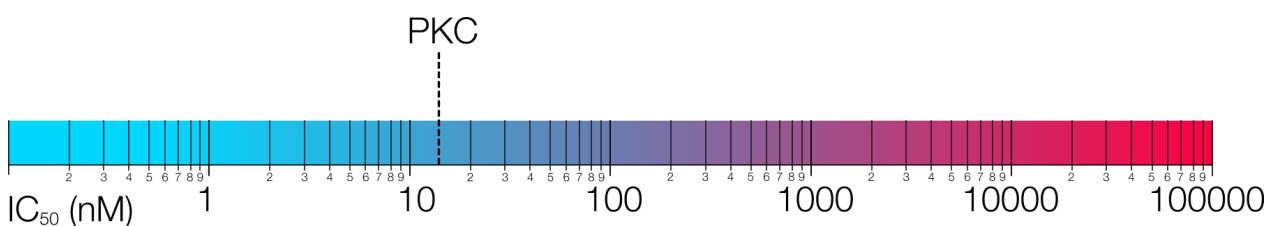
ES-MS: Available on request



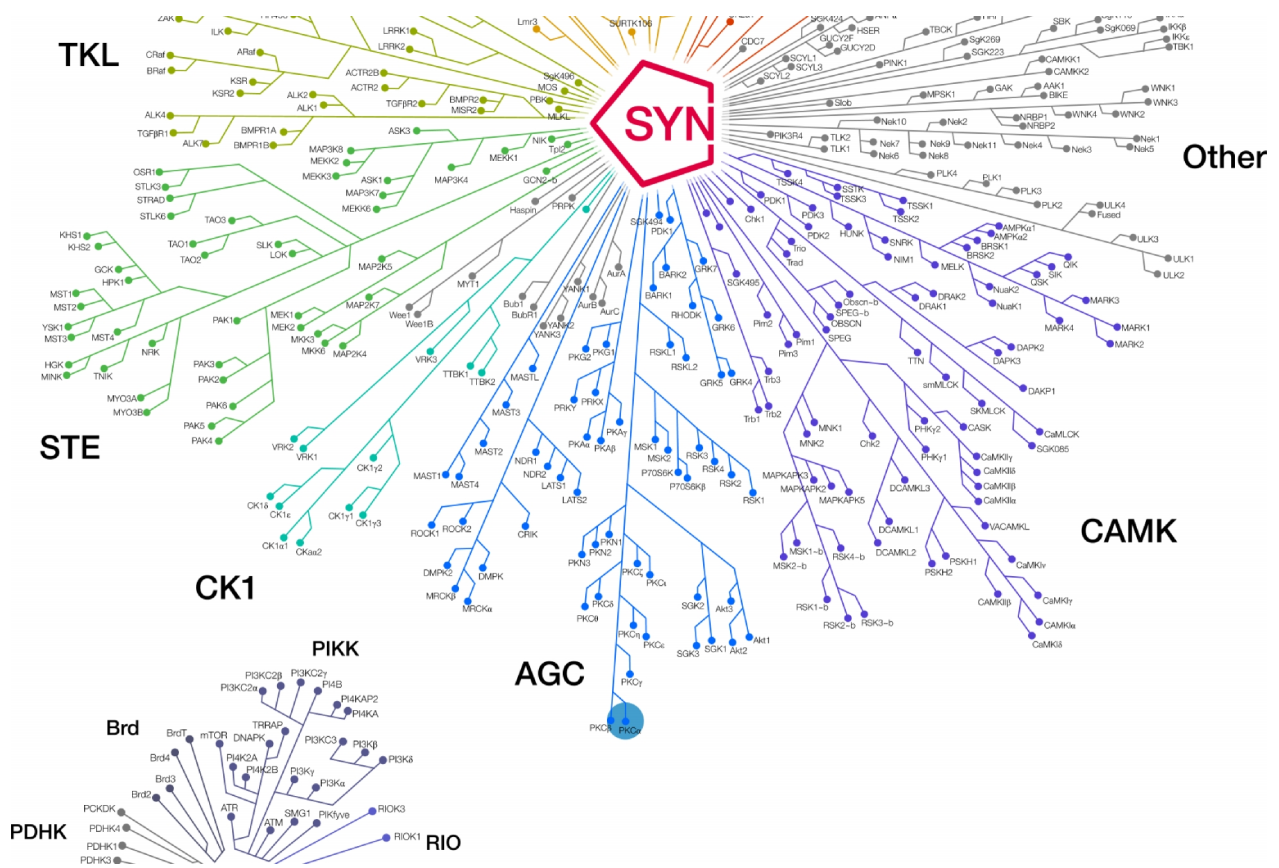
## Description:

Bisindoylmaimide X is a potent and selective protein kinase C (PKC) inhibitor (IC<sub>50</sub> of 15nM for rat brain PKC). It also inhibits Fas-mediated apoptosis and T cell-mediated autoimmune diseases.

## 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

20 mM in DMSO

## Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.4610	4.6100	9.2200	23.0500

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## References

1. Muid RE, Dale MM, Davis PD, Elliott LH, Hill CH, Kumar H, Lawton G, Twomey BM, Wadsworth J, Wilkinson SE, et al. A novel conformationally restricted protein kinase C inhibitor, Ro 31-8425, inhibits human neutrophil superoxide generation by soluble, particulate and post-receptor stimuli. FEBS Lett. 1991 Nov 18;293(1-2):169-72.

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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)