

BX912

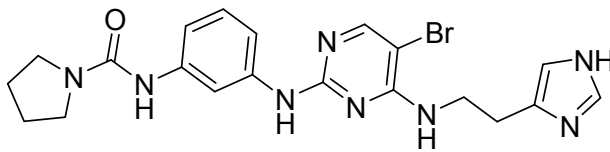
SYN-1027

N-(3-(4-(2-(1H-imidazol-4-yl)ethylamino)-5-bromopyrimidin-2-ylamino)phenyl)pyrrolidine-1-carboxamide

CAS Registry No.: 702674-56-4

Smiles String:

c1cc(cc(c1)NC(=O)N2CCCC2)Nc3nc(c(n3)NCCc4c[nH]cn4)Br



Molecular Weight: 471.35

Molecular Formula: C₂₀H₂₃BrN₈O

Lot Number: Refer to vial

¹H-NMR: Available on request

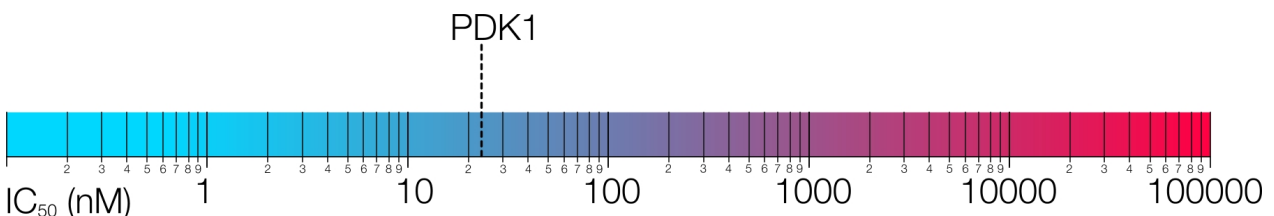
HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

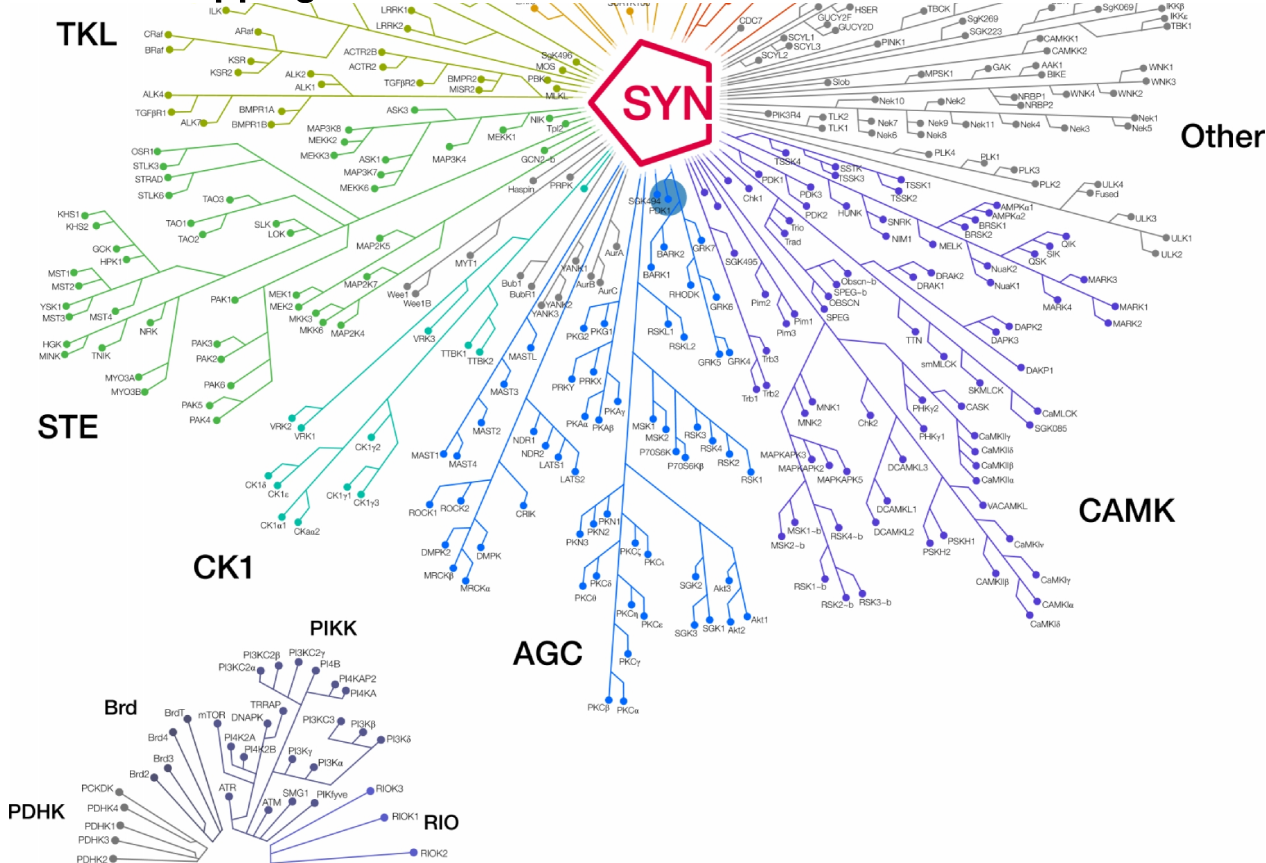
Description:

BX912 is a PDK1 (3-Phosphoinositide-dependent Kinase-1) inhibitor, with an IC₅₀ of 26nM.

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

DMSO 94mg/mL, Ethanol 94mg/mL

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.4714	4.7140	9.4280	23.5700

References

1. Honda M, Kanno T, Fujita Y, Gotoh A, Nakano T, Nishizaki T. Mesothelioma cell proliferation through autocrine activation of PDGF- β receptor. *Cell Physiol Biochem.* 2012;29(5-6):667-74. doi: 10.1159/000176386. Epub 2012 May 11.

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)