

PIK-90

SYN-1068

N-(7,8-dimethoxy-2,3-dihydroimidazo[1,2-c]quinazolin-5-yl)nicotinamide

CAS Registry No.: 677338-12-4

Smiles String:

COc1ccc2c(c1OC)N=C(N3C2=NCC3)NC(=O)c4cccnc4

Molecular Weight: 351.36

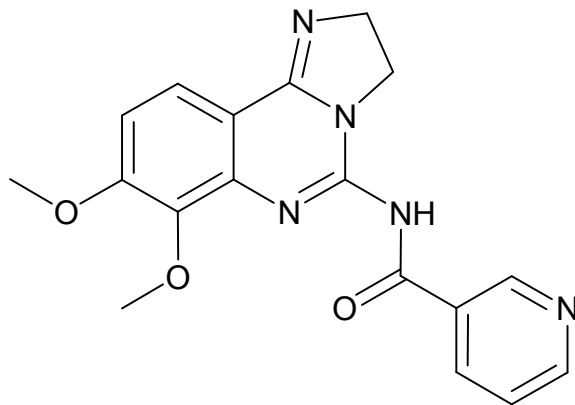
Molecular Formula: C₁₈H₁₇N₅O₃

Lot Number: Refer to vial

¹H-NMR: Available on request

HPLC (Purity): > 95.0% @ 254 nm

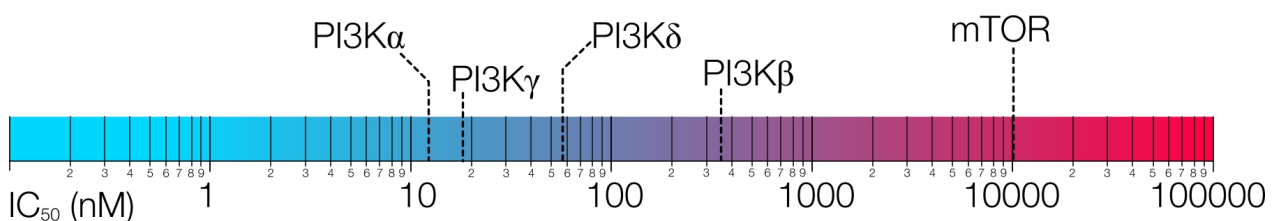
ES-MS: Available on request



Description:

PIK-90 is a potent PI3K inhibitor with IC₅₀ values of 11, 18, and 58 nM for p110alpha, gamma and delta isoforms respectively. It has an IC₅₀ of 350 nM for the p110beta isoform. It also has low mTOR activity.

Biological Activity



References

1. Knight ZA, Gonzalez B, Feldman ME, Zunder ER, Goldenberg DD, Williams O, Loewith R, Stokoe D, Balla A, Toth B, Balla T, Weiss WA, Williams RL, Shokat KM. A pharmacological map of the PI3-K family defines a role for p110alpha in insulin signaling. *Cell*. 2006 May 19;125(4):733-47. Epub 2006 Apr 27.

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)