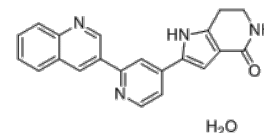


Product Name : MK2 inhibitor III
Cat. No. : PC-70147
CAS No. : 1186648-22-5
Molecular Formula : C₂₁H₁₆N₄O • H₂O
Molecular Weight : 358.4
Target : MAPKAPK2 (MK2)
Solubility : 10 mM in DMSO



Biological Activity

MK2 inhibitor III (MK2-IN-3) is a potent, cell-permeable inhibitor of MAPKAPK2 (**MK2**) with IC₅₀ of 8.5 nM.

MK2 inhibitor III (MK2-IN-3) less potently blocks MK3 and MK5 (IC₅₀s=210 and 81 nM, respectively and is weak or inactive against several other kinases, including P38 MAPKs.

MK2 inhibitor III (MK2-IN-3) prevents LPS-induced synthesis of TNF-α in human monocyte-like U937 cells with IC₅₀ of 4.4 μM.

References

Anderson DR, et al. *J Med Chem.* 2007 May 31;50(11):2647-54.

Gurgis F, et al. *Cell Death Discov.* 2015 Sep 7;1:15028.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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