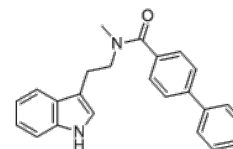


Product Name : CA224
Cat. No. : PC-60479
CAS No. : 883561-04-4
Molecular Formula : C₂₄H₂₂N₂O
Molecular Weight : 354.453
Target : Cyclin-dependent Kinase (CDK)
Solubility : 10 mM in DMSO



Biological Activity

CA224 is a non-planar analogue of fascaplysin that selectively inhibits **CDK4**/cyclin D1 with IC₅₀ of 5.5 μM. CA224 does not inhibit CDK2, blocks the growth of cancer cells at G₀/G₁ phase of the cell cycle, also blocks the cell cycle at G₂/M phase. CA224 also acts as an enhancer of depolymerization for taxol-stabilized tubulin.

References

Mahale S, et al. *Bioorg Med Chem Lett*. 2006 Aug 15;16(16):4272-8.
Mahale S, et al. *J Med Chem*. 2014 Nov 26;57(22):9658-72.

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

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