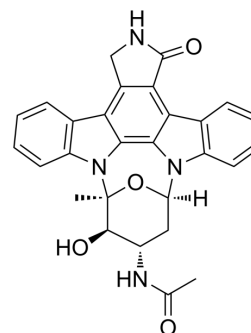


3'-O-Demethyl-4'-N-demethyl-4'-N-acetyl-4'-epi-staurosporine

Cat. No.:	HY-N12466
CAS No.:	2226941-29-1
Molecular Formula:	C ₂₈ H ₂₄ N ₄ O ₄
Molecular Weight:	480.51
Target:	PKC; p38 MAPK; ROCK
Pathway:	Epigenetics; TGF-beta/Smad; MAPK/ERK Pathway; Cell Cycle/DNA Damage; Cytoskeleton; Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

3'-O-Demethyl-4'-N-demethyl-4'-N-acetyl-4'-epi-staurosporine (Compound 7) is an inhibitor of protein kinases, with IC₅₀s of 0.092, 0.26, 0.77 μM for PKC-α, ROCK, ASK1. 3'-O-Demethyl-4'-N-demethyl-4'-N-acetyl-4'-epi-staurosporine shows potent cytotoxicity against PC-3 cancer cells with an IC₅₀ value of 0.16 μM^[1].

REFERENCES

[1]. Wang JN, et al. Bioactive Indolocarbazoles from the Marine-Derived Streptomyces sp. DT-A61. J Nat Prod. 2018 Apr 27;81(4):949-956.

Caution: Product has not been fully validated for medical applications. For research use only.

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