

Transcription Factor Modulators

Stauprimide

Inhibits nuclear localization of NME2, a c-Myc-activating transcription factor. Primes embryonic stem cells for differentiation.¹

Product No: 10-1189 1 mg 5 mg

BI-6015

Antagonizes HNF4 α , a transcription factor that controls metabolic homeostasis and epithelial differentiation.² BI-6015 (1-10 μ M) inhibits the expression of HNF4 α target genes, reduces insulin production in T6PNE cells and is cytotoxic to a number of cancer cell lines.

Product No: 10-1402 5 mg 25 mg

AI-1

Activates Nrf2, a transcriptional regulator of cellular antioxidant responses.³ Nrf2 is negatively regulated via ubiquitination by the Cul3-Keap1 ubiquitin ligase complex. AI-1 covalently modifies Keap1 and prevents it from serving as an adaptor for the complex, resulting in stabilization and transcriptional activation of Nrf2.

Product No: 10-1471 5 mg 25 mg

FQI1

Factor quinolinone inhibitor 1 (FQI1), inhibits late SV40 factor (LSF), a transcription factor highly expressed in hepatocellular carcinoma (HCC). FQI1 inhibits LSF DNA-binding and induces cell death in HCC cells but not primary hepatocytes.⁴

Product No: 10-1360 5 mg 25 mg

10058-F4

A c-Myc inhibitor that specifically inhibits the c-Myc-Max interaction and prevents transactivation of c-Myc target gene expression.⁵ Inhibits proliferation, induces apoptosis and arrests cells in G0/G1 in rat1a-c-Myc cells. Also reduces tumor growth *in vivo*.

Product No: 10-1466 5 mg 25 mg

FH-535

Suppresses Wnt/ β -catenin signaling. It antagonizes PPAR ligand-dependent activation mediated by inhibition of recruitment of the coactivators β -catenin and GRIP1 but not the corepressors NCoR and SMRT.⁶ Inhibits the migration and growth of breast cancer cells.

Product No: 10-1328 10 mg 50 mg

Oltipraz

Upregulates the transcription factor Nrf2 and prevents insulin resistance and obesity induced by high fat diet in C57BL/6J mice.⁷

Product No: 10-2831 50 mg 250 mg

Tanshinone IIA

Inhibits AP-1 activity by suppressing jun-fos-DNA complex formation (IC₅₀ = 0.22 μ M).⁸

Product No: 10-2186 5 mg 25 mg

C-DIM 12

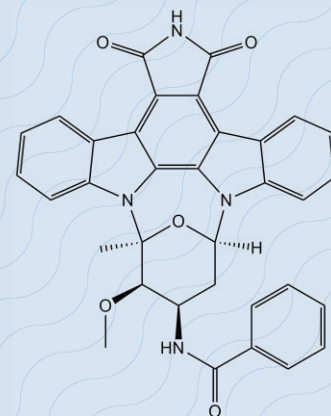
Activates the orphan nuclear receptor Nurr1 which is a suppressor of NF κ B-dependent proinflammatory genes. Displays neuroprotective activity in a mouse model of progressive neurodegeneration with a strong neuroinflammatory component (50 mg / Kg).⁹

Product No: 10-3280 5 mg 25 mg

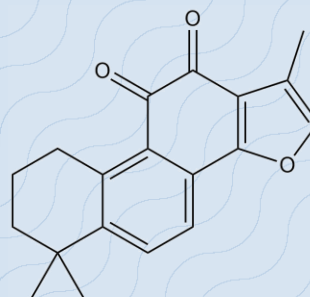
AS1842856

Potent and selective FOXO1 inhibitor, IC₅₀S=33 nM and >1 mM for FOXO3a and 4.¹⁰

Product No: 10-5344 5 mg 25 mg



Stauprimide



Tanshinone IIA

REFERENCES

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