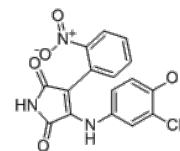


Product Name : SB415286
Cat. No. : PC-49262
CAS No. : 264218-23-7
Molecular Formula : C₁₆H₁₀ClN₃O₅
Molecular Weight : 359.722
Target : GSK-3
Solubility : 10 mM in DMSO



Biological Activity

SB-415286 (SB415286) is a potent, selective, ATP competitive small molecule inhibitor of GSK-3alpha with K_i of 31 nM, inhibits GSK-3beta with similar potency.

SB-415286 stimulated glycogen synthesis in human liver cells and induced expression of a beta-catenin-LEF/TCF regulated reporter gene in HEK293 cells.

SB-415286 inhibited cellular GSK-3 activity as assessed by activation of glycogen synthase.

SB-415286 protected both central and peripheral nervous system neurones in culture from death induced by reduced PI 3-kinase pathway activity.

SB-415286 reduced the growth of AR-expressing prostate cancer cell lines.

References

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Cross DA, et al. J Neurochem. 2001 Apr;77(1):94-102.

Mazor M, et al. Oncogene. 2004 Oct 14;23(47):7882-92.

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

E-mail: tech@probechem.com