Product Name: GSK 650394
CAS No.: 890842-28-1
Cat. No.: HY-15192
MWT: 382.45
Formula: C25H22N2O2
Purity : >98%
Solubility: DMSO > 40 mg/ml

Mechanisms:
Pathways: Others; Target: SGK

Biological Activity:
GSK650394 is a novel SGK inhibitor with IC50 of 62 nM and 103 nM for SGK1 and SGK2 in the SPA assay respectively.
IC50 Value: 62 nM (SGK1); 103 nM (SGK2) [1]
Target: SGK
in vitro: GSK650394 inhibited the enzymatic activity of SGK1 and SGK2 in the SPA assay with IC50 values of 62 nM and 103 nM, respectively. GSK650394 is relatively non-toxic, with LC50 values of 41 μM in M1 cells (68 times its activity IC50) and a LC50 greater than 100 μM in HeLa cells in XTT assays, which measure mitochondrial enzymatic activity. GSK650394 inhibited SGK1-mediated epithelial transport with an IC50 of 0.6 μM in the SCC assay. The selectivity of GSK650394 for SGK1 over that of Akt and other related kinases proved to be greater than 30-fold, while GSK650394 was more than 60-fold selective for SGK1 over the upstream AGC kinase PDK1 [1]. GSK650394 had no effect on cell survival or growth i...

References:

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