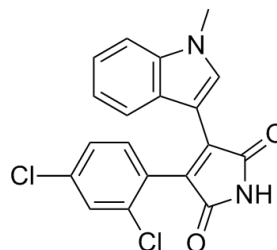


Product Name : SB 216763
Synonyms : SB-216763;SB216763
Cat No. : M13854
CAS Number : 280744-09-4
Molecular Formula : C₁₉H₁₂Cl₂N₂O₂
Formula Weight : 371.22
Chemical Name : 1H-Pyrrole-2,5-dione, 3-(2,4-dichlorophenyl)-4-(1-methyl-1H-indol-3-yl)-



Description : SB 216763 is a potent, selective, ATP competitive and cell permeable inhibitor GSK-3 with K_i of 9 nM (GSK-3 α), equally potent for GSK-3 β ; displays no significant activity against a panel of 24 other protein kinases; stimulates glycogen synthesis in human liver cells and induces expression of a beta-catenin-LEF/TCF regulated reporter gene in HEK293 cells, protects both central and peripheral nervous system neurones in culture from death, activates beta-catenin-mediated transcription, and enhances the survival of CLL lymphocytes; displays therapeutic properties in a mouse model of pulmonary inflammation and fibrosis.

Pathway : PI3K/Akt/mTOR signaling

Target : GSK-3

Receptor : GSK-3 α ;GSK-3 β

Solubility : 10 mM in DMSO

SMILES : O=C(C(C1=CC=C(C(=C1)C=C(C1=CC=C(C=C1)N(C)C)C=C(C1=CC=C(C=C1)NC2=O)C(=O)N2)C(=O)O)C(=O)O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Coghlan MP, et al. Chem Biol. 2000 Oct;7(10):793-803. | 2. Cross DA, et al. J Neurochem. 2001 Apr;77(1):94-102. | 3. Lu D, et al. Proc Natl Acad Sci U S A. 2004 Mar 2;101(9):3118-23. | 4. Gurrieri C, et al. J Pharmacol Exp Ther. 2010 Mar;332(3):785-94.