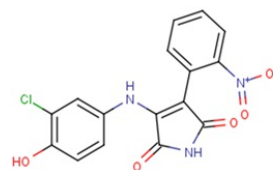


Product Name	: SB415286
Synonyms	: SB-415286; SB 415286; SB415286
Cat No.	: M17460
CAS Number	: 264218-23-7
Molecular Formula	: C ₁₆ H ₁₀ ClN ₃ O ₅
Formula Weight	: 359.72
Chemical Name	: 3-[(3-chloro-4-hydroxyphenyl)amino]-4-(2-nitrophenyl)-1H-pyrrole-2,5-dione
Description	SB-415286 is a potent and selective cell-permeable, ATP-competitive inhibitor of GSK3 α with an IC ₅₀ value of 78 nM (similar potency for GSK3 β) and a K _i value of 31 nM. Pharmacological GSK-3 inhibitors are potential drugs for the treatment of neurodegenerative diseases, cancer and diabetes.
Pathway	: Angiogenesis
Target	: CDK
Receptor	: GSK-3 α , GSK-3 β
Solubility	: DMSO : $\geq$ 83.3 mg/mL; 231.57 mM
SMILES	: <chem>OC1=C(Cl)C=C(NC2=C(C(=O)NC2=O)C2=C(C=CC=C2)[N+](=[O-])=O)C=C1</chem>
Storage	: (-20°C)
Stability	: $\geq$ 2 years
Reference	:



1. Coghlan MP, et al. Chem Biol, 2000, 7(10), 793-803.