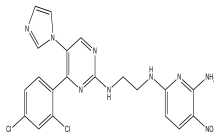


Product: CHIR-98014**ALTERNATE NAME:** 6-N-[2-[[4-(2,4-dichlorophenyl)-5-imidazol-1-ylpyrimidin-2-yl]amino]ethyl]-3-nitropyridine-2,6-diamine; CT 98014**CATALOG #:** 2595-1, 5**AMOUNT:** 1 mg, 5 mg**STRUCTURE:****MOLECULAR FORMULA:** C₂₀H₁₇Cl₂N₉O₂**MOLECULAR WEIGHT:** 486.31**CAS No.** 556813-39-9**APPEARANCE:** Crystalline solid**SOLUBILITY:** DMSO (~ 4 mg/ml)**PURITY:** >98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light**DESCRIPTION:** Cell-permeable. CHIR-98014 is a potent, selective and ATP-competitive inhibitor of GSK3 α and GSK3 β (IC₅₀ = 0.65 and 0.58 nM, respectively). In addition, CHIR-98014 displays 500 to greater than 1000-fold selectivity towards GSK3 than other protein kinases such as cdc2 and ERK2. CHIR98014 also reduces tau phosphorylation in rat brains and supports Wnt signaling during osteogenesis.**REFERENCES:** Selenica, M., *et al.* (2007). *Br. J.Pharmacol.* **152**, 959-979; Ring, D.B., *et al.* (2003). *Diabetes* **52**, 588-595**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**Alsterpaullone (**Cat. No. 1897-1, 5**)1-Azakenpaullone (**Cat. No. 1944-1, 5**)BIO (**Cat. No. 1673-1**)Bisindolylmaleimide I (**Cat. No. 1945-1, 5**)Bisindolylmaleimide I hydrochloride (**Cat. No. 1947-1, 5**)Bikinin (**Cat. No. 2034-10, 50**)CHIR CHIR99021 (**Cat. No. 1677-5, 25**)EZSolution™ CHIR99021 (**Cat. No. 1748-5**)EZSolution™ CHIR99021, Sterile-Filtered (**Cat. No. 1991-1**)GSK-3 Inhibitor, TWS119 (**Cat. No. 1655-2**)Kenpaullone (**Cat. No. 1904-1**)Ro 31-8220 methanesulfonate (**Cat. No. 1946-1, 5**)SB-216763 (**Cat. No. 1769-1, 5**)**FOR RESEARCH USE ONLY! Not to be used in humans.**