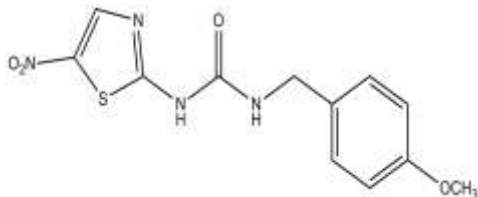


GSK-3 Inhibitor, AR-A014418**ALTERNATE NAME:** N-[(4-Methoxyphenyl)methyl]-N'-(5-nitro-2-thiazolyl)urea**CATALOG #:** 1953-2, 5**AMOUNT:** 2 mg, 5 mg**STRUCTURE:****MOLECULAR FORMULA:** C₁₂H₁₂N₄O₄S**MOLECULAR WEIGHT:** 308.31**CAS NUMBER:** 487021-52-3**APPEARANCE:** Off-white solid**SOLUBILITY:** DMSO (~30 mg/ml)**PURITY:** ≥98% by TLC**STORAGE:** Store at -20 °C. Protect from light**DESCRIPTION:** Cell-permeable. A selective glycogen synthase kinase 3 (GSK-3) inhibitor (IC₅₀ = 104 nM). Inhibition is competitive with respect to ATP (K_i = 38nM). Exhibits specificity for GSK-3 over cdk2 and cdk5 (IC₅₀ values are > 100 μM) and over 26 other kinases. Inhibits β-amyloid-mediated neurodegeneration in hippocampal slices.**REFERENCE:** Bhat, R., *et al.* (2003). *J. Biol. Chem.* **278**, 45937-45.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**FOR RESEARCH USE ONLY! Not to be used on humans.****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)
- CHIR CHIR99021 (Cat. No. 1677-5, 25)
- EZSolution™ CHIR99021 (Cat. No. 1748-5)
- 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)