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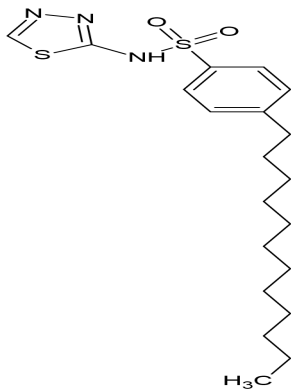
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Akt Inhibitor XIV

ALTERNATE NAME: 4-dodecyl-N-(1,3,4-thiadiazol-2-yl)benzenesulfonamide

CATALOG #: AUR10072

STRUCTURE:



MOLECULAR FORMULA: C₂₀H₃₁N₃O₂S₂

MOLECULAR WEIGHT: 409.61

CAS#: 1191951-57-1

APPEARANCE: White solid

SOLUBILITY: DMSO (50 mg/ml)

PURITY: ≥95% by HPLC

STORAGE: Store at +2°C to +8°C; Protect from air and light

DESCRIPTION: A potent thiadiazolyl analog that binds to PH (pleckstrin homology) domain ($K_d = 40.8 \mu\text{M}$, $K_i = 2.4 \mu\text{M}$) and acts as a competitive and reversible blocker of Akt translocation to the cellular membrane with selectivity over PDK1 ($K_d = 90.1 \mu\text{M}$, $K_i = 5.5 \mu\text{M}$).

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure