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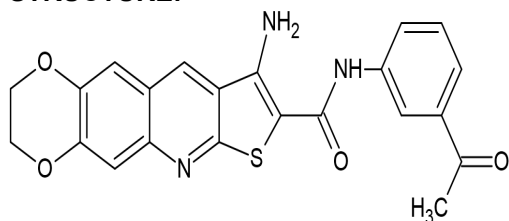
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## PKC $\epsilon$ Translocation Inhibitor II, PKCe141

**ALTERNATE NAME:** N-(3-Acetylphenyl)-9-amino-2,3-dihydro-[1,4]dioxino[2,3-g]thieno[2,3-b]quinoline-8-carboxamide; PKCe141

**CATALOG #:** AUR10281

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>22</sub>H<sub>17</sub>N<sub>3</sub>O<sub>4</sub>S

**MOLECULAR WEIGHT:** 419.45

**CAS#:** N/A

**APPEARANCE:** Off-white solid

**SOLUBILITY:** DMSO (10 mg/ml)

**PURITY:** >95% by HPLC

**STORAGE:** Store at -2-8°C. Protect from air and light

**DESCRIPTION:** PKCe141 is a thienoquinoline derivative that dose-dependently inhibits PKC $\epsilon$ -RACK2 interaction (IC<sub>50</sub> = 5.9  $\mu$ M). Shown to occupy PKC $\epsilon$  to RACK2 binding site in a reversible manner and block cellular phosphorylation of MARCKS and Elk-1 (IC<sub>50</sub> = 11.2  $\mu$ M in HeLa cells). Prevents TPA-induced PKC $\epsilon$  translocation to the plasma membrane, and reduces PKC $\epsilon$ -induced cell migration, invasion and suppresses angiogenesis.

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