**Product:** CUR-61414

**ALTERNATE NAME:** N-[(3S,5S)-1-(1,3-Benzodioxol-5-ylmethyl)-5-(1-piperazinylcarbonyl)-3-pyrrolidinyl]-N-[(3-methoxyphenyl)methyl]-3,3-dimethylbutanamide

**CATALOG #:** 2743-5, 25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**

![CUR-61414 structure](image)

**MOLECULAR FORMULA:** C_{31}H_{42}N_{4}O_{6}

**MOLECULAR WEIGHT:** 550.69

**CAS NUMBER:** 334998-36-6

**APPEARANCE:** Tan solid

**SOLUBILITY:** DMSO (40 mg/ml) or EtOH (20 mg/ml)

**PURITY:** ≥98% by TLC

**STORAGE:** Store at -20 °C. Protect from air and light

**DESCRIPTION:** CUR-61414 is a potent, cell-permeable, Hedgehog signaling pathway inhibitor (IC_{50} = 100-200 nM). Selectively binds to Smo but not other GPCRs. CUR 61414 blocks proliferation and induces apoptosis in mouse basal cell carcinoma and causes regression of basaloid lesions triggered by ultraviolet light in mouse skin.


**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.**