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## Design, Synthesis, and Biological Evaluation of Structurally Modified Isoindolinone and Quinazolinone Derivatives as Hedgehog Pathway Inhibitors

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### ABSTRACT

The Hedgehog (Hh) signaling pathway is associated with diverse aspects of cellular events, such as cell migration, proliferation, and differentiation throughout embryonic development and tissue patterning. An abnormal Hh signaling pathway is linked to numerous human cancers, including basal cell carcinoma (BCC), medulloblastoma (MB), lung cancer, prostate cancer, and ovarian cancer, and it is therefore a promising target in cancer therapy. Using a structure-hopping approach, we designed new Hh signaling pathway inhibitors with isoindolinone or

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