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Synthesis and bioevaluation of new acrylamide base 3-hydroxyimino-2-oxindoline

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Summary: *A series of 3-hydroxyimino-2-oxindoline-based acrylamid were synthesized and evaluated for cytotoxicity against AsPC-1, a human pancreatic cancer cell line. The compounds were obtained in good yields from the corresponding 5-/7-substituted isatines via a four-step pathway. All 5 compounds synthesized showed strong cytotoxicity in AsPC-1 cells with IC₅₀ values of 0.59 - 4.48 μM, equivalent or stronger than that of SAHA (IC₅₀ value of 3.70 μM), a positive control.*