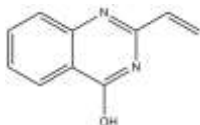


PRODUCT: STIMA-1**ALTERNATE NAME:** 2-Vinyl-4H-quinazolinol; SH group-targeting compound that induces massive apoptosis**CATALOG #:** 9437-10, 50**AMOUNT:** 10 mg, 50 mg**STRUCTURE:****MOLECULAR FORMULA:** C₁₀H₈N₂O**MOLECULAR WEIGHT:** 172.19**CAS NUMBER:** 91634-12-7**APPEARANCE:** Off-white solid**SOLUBILITY:** DMSO**PURITY:** ≥97%**STORAGE:** Store at -20°C. Protect from air and light**DESCRIPTION:** STIMA-1 (SH group-targeting compound that induces massive apoptosis) reactivates mutant p53. STIMA-1 can stimulate mutant p53 DNA binding in vitro and induce expression of p53 target proteins and trigger apoptosis in mutant p53-expressing human tumor cells. STIMA-1 is shown to covalently modify free thiols on mutant p53 in H1299-His175 cells and fully restore its DNA binding activity to the level seen with wild-type p53, resulting in upregulation of p53-dependent gene expression, including p21, PUMA, and Bax.**REFERENCES:** Wiman, K.G. (2010). *Oncogene* **29**, 4245-4252.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

GN25 (Cat. No. 9430-5, 25)

NSC146109 hydrochloride (Cat. No. 1907-5)

Nutlin-3 (Cat. No. 1842-1, 5)

PRIMA-1 (Cat. No. 2170-5, 25)

RITA (Cat. No. 2469-5, 25)

Tenovin-1 (Cat. No. 9400-5, 25)

USAGE: **FOR RESEARCH CH USE ONLY! Not to be used in humans**