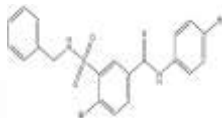


PRODUCT: RS-1**ALTERNATE NAME:** 4-Bromo-*N*-(4-bromophenyl)-3-
[[[(phenylmethyl)amino]sulfonyl]benzamide**CATALOG #:** B1118-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C₂₀H₁₆Br₂N₂O₃S**MOLECULAR WEIGHT:** 524.23**CAS NUMBER:** 312756-74-4**APPEARANCE:** Brown solid**SOLUBILITY:** DMSO (>50 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light.**DESCRIPTION:** RS-1 (RAD51-stimulatory compound 1) is a high affinity stimulator of the human homologous recombination (HR) protein RAD51. RS-1 stimulates binding of hRAD51 to single stranded DNA (ssDNA) and enhances recombinogenic activity by stabilizing the active form of hRAD51 filaments without inhibiting hRAD51 ATPase activity. RS-1 has been shown to enhance CRISPR-Cas9 knock-in efficiency in HEK293A cells and has been shown to enhance both TALEN and Cas9-mediated knock-in efficiency in rabbits.**REFERENCES:** Song, J., *et al.* (2016). *Nat. Commun.* **7**,10548.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**Azidothymidine (**B1113**)
Compound 401 (**1657**)
(*Z*)-4-Hydroxytamoxifen (**B1114**)
KU-0060648 (**B1115**)
L-755,507 (**B1116**)
NU-7441 (**B1117**)
RS-1 (**B1118**)**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**