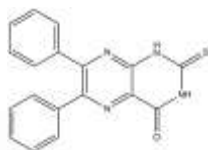


**PRODUCT: SCR7 pyrazine****ALTERNATE NAME:** 2,3-Dihydro-6,7-diphenyl-2-thioxo-4(1*H*)-pteridinone**CATALOG #:** B1119-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>18</sub>H<sub>12</sub>N<sub>4</sub>OS**MOLECULAR WEIGHT:** 332.38**CAS NUMBER:** 14892-97-8**APPEARANCE:** Yellow solid**SOLUBILITY:** DMSO (>30 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light.**DESCRIPTION:** SCR7 pyrazine is a potent inhibitor of nonhomologous endjoining (NHEJ) mediated by DNA ligase IV. Enhances CRISPR-Cas9-mediated homology-directed repair (HDR) efficiency *in vitro*.**REFERENCES:** Chu, V.T., *et al.* (2015). *Nat. Biotechnol.* **33**, 543-548.**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**)SCR7 pyrazine (**B1119**)**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**