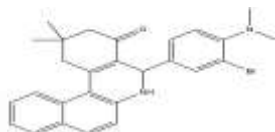


PRODUCT: Glutaminase C-IN-1 (968)**ALTERNATE NAME:** 5-[3-Bromo-4-(dimethylamino)phenyl]-2,3,5,6-tetrahydro-2,2-dimethylbenzo[a]phenanthridin-4(1*H*)-one**CATALOG #:** B1198-5,25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C₂₇H₂₇BrN₂O**MOLECULAR WEIGHT:** 475.42**CAS NUMBER:** 311795-38-7**APPEARANCE:** Off-white solid**SOLUBILITY:** DMSO (>5 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light.**DESCRIPTION:** Glutaminase C-IN-1 (968) a cell-permeable, reversible inhibitor of a mitochondrial glutaminase splice variant, glutaminase C (IC₅₀ = ~2.5 μM), which is commonly found in cancer cells. Glutaminase C-IN-1 (968) blocks transformation induced by Rho GTPases and inhibits the proliferation of non-invasive epithelial (T-47D and MDA-MB-361) and invasive mesenchymal (MDA-MB-231 and Hs578T) cancer cells, without affecting normal cells. Glutaminase C-IN-1 (968) induces apoptosis and alters both histone methylation and gene expression in cancer cells.**REFERENCES:** Stalneck, C.A., *et al.* (2015). *Proc. Natl. Acad. Sci. USA* **112**, 394-399.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**CB839 (**B1179**)Transglutaminase Inhibitor Screening Assay Kit (**K508**)Transglutaminase Activity Assay Kit (**K571**)**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**