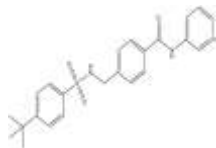


PRODUCT: STF-31**ALTERNATE NAME:** 4-[[[4-(1,1-Dimethylethyl)phenyl]sulfonyl]amino]methyl]-N-3-pyridinylbenzamide**CATALOG #:** 9585-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C₂₃H₂₅N₃O₃S**MOLECULAR WEIGHT:** 423.53**CAS NUMBER:** 724741-75-7**APPEARANCE:** Pale yellow solid**SOLUBILITY:** DMSO (>30 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light**DESCRIPTION:** STF-31 is a potent glucose transporter 1 (GLUT1) inhibitor (IC₅₀ ≈ 1 μM). It induces necrosis in cancer cells that lack the von Hippel-Lindau tumor suppressor gene, which overexpress GLUT1. Recently, STF-31 has been shown to inhibit the enzyme activity of nicotinamide phosphoribosyltransferase (NAMPT) in biochemical assay in vitro.**REFERENCES:** Adams, D.J., *et al.* (2014). *ACS Chem. Biol.* **9**, 2247-2254.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**Glucose Uptake Colorimetric Assay Kit (**K676-100**)Glucose Uptake Fluorometric Assay Kit (**K666-100**)2-NBDG Glucose Uptake assay Kit (Cell based) (**K682-50**)GluTracker™ Glucose Uptake assay Kit (Cell based) (**K681-50**)**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**