

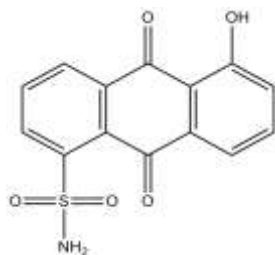
LLL12

ALTERNATE NAME: 5-Hydroxy-9,10-dioxo-9,10-dihydroanthracene-1-sulfonamide

CATALOG #: 1792-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₄H₉NO₅S

MOLECULAR WEIGHT: 303.29

APPEARANCE: Lyophilized solid

SOLUBILITY: DMSO

PURITY: ≥95% by NMR

STORAGE: Store at -20 °C. **PROTECT FROM AIR AND LIGHT! MAKE FRESH SOLUTIONS EACH TIME!**

DESCRIPTION: A Stat3 phosphorylation inhibitor. LLL12 inhibits STAT3 phosphorylation (Tyr705) and STAT3 activities and down-regulates STAT3 downstream targets; inhibits proliferation, colony formation, and cell migration and induces apoptosis in various human breast and pancreatic cancer cells as well as in glioblastoma cells. LLL12 has minimal apoptotic effects on normal human cells.

REFERENCE: Lin, L., *et al.* (2010). *Neoplasia* **12**, 39-50.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

- AG-490 (**Cat. No. 1570-5**)
- CP-690550 (**Cat. No. 1622-5, 25**)
- Stat3 Inhibitor, S3I-201 (**Cat. No. 1775-5, 25**)
- Stat3 Peptide Inhibitor, Cell-Permeable (**Cat. No. 1778-1,5**)