

**Product Name** : LLL3

**Synonyms** : LLL 3

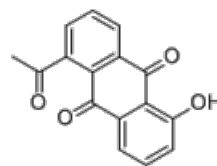
**Cat No.** : M15430

**CAS Number** : 63972-38-3

**Molecular Formula** : C<sub>16</sub>H<sub>10</sub>O<sub>4</sub>

**Formula Weight** : 266.25

**Chemical Name** : 1-acetyl-5-hydroxyanthracene-9,10-dione



**Description** : LLL3 is a structural analogue of STA-21 that acts as a novel STAT3 inhibitor, inhibits STAT3-dependent transcriptional and DNA binding activities; also inhibits viability of U87, U373, and U251 glioblastoma cells as well as induces apoptosis of these glioblastoma cell lines; exhibits prolonged survival in U87 glioblastoma tumour-bearing mice.

**Pathway** : JAK/STAT Signaling

**Target** : STAT

**Receptor** : STAT

**Solubility** : —

**SMILES** : O=C(C1=C2C=CC=C1O)C3=CC=CC(C(C)=O)=C3C2=O

**Storage** : (-20°C)

**Stability** : ≥ 2 years

**Reference** :

1. Fuh B, et al. Br J Cancer. 2009 Jan 13;100(1):106-12. 2. Fossey SL, et al. BMC Cancer. 2009 Mar 10;9:81. 3. Menciaha AL, et al. Cancer Chemother Pharmacol. 2010 May;65(6):1039-46.