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**Product Data Sheet**

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Product Name: SS28  
Cat. No.: GC37678

**Chemical Properties**

Cas. No. 141172-08-9

SMILES CC1=CC=C(/C=C\C2=CC(OC)=C(OC)C(OC)=C2)C=C1

Formula  $C_{18}H_{20}O_3$  M.Wt 284.35

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

**Background**

SS28, a SRT501 analog with oral bioavailability, inhibits tubulin polymerization to cause cell cycle arrest at G2/M phase. SS28 results in apoptosis rather than necrosis tubulin[1]. Tubulin[1].

SS28 (0-20  $\mu$ M) induces cytotoxicity in different cancer cell lines[1]. SS28 treatment (5  $\mu$ M for A549 and 2  $\mu$ M for CEM) results in cell cycle arrest at G2/M phase leading to apoptosis upon further incubation[1]. Cell Proliferation Assay[1] Cell Line: CEM, Reh, Nalm6, SUDHL8, Molt4, A549, HeLa 293T cells.

SS28 (15 mg/kg. b.wt.) treatment results in inhibition of tumor cell proliferation[1]. Animal Model: BALB/c mice using EAC cells[1].

[1]. Thomas E, et al. A Novel Resveratrol Based Tubulin Inhibitor Induces Mitotic Arrest and Activates Apoptosis in Cancer Cells. Sci Rep. 2016 Oct 17;6:34653.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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