

**Product Name** : Leachianone A

**Synonyms** : Isokurarinone

**Cat No.** : M29179

**CAS Number** : 97938-31-3

**Molecular Formula** : C<sub>26</sub>H<sub>30</sub>O<sub>6</sub>

**Formula Weight** : 438.5

**Chemical Name** : —

**Description** : Leachianone A is a potential antitoxic agent, it shows inhibitory effects on cadmium- Induced cytotoxicity. (In Vitro): Leachianone A, isolated from Radix Sophorae, possessed a profound cytotoxic activity against human hepatoma cell line HepG2 in vitro, with an IC<sub>50</sub> value of 3.4 microg/ml post-48-h treatment. Its action mechanism via induction of apoptosis involved both extrinsic and intrinsic pathways. Its anti-tumor effect was further demonstrated in vivo by 17-54% reduction of tumor size in HepG2-bearing nude mice, in which no toxicity to the heart and liver tissues was observed. (In Vivo): Intravenous injection of 20 mg/kg and 30 mg/kg Leachianone A once daily for 30 days significantly reduced tumor volume in LA-treated nude mice by 17-54% compared to nude mice given vehicle alone.

**Pathway** : GPCR/G Protein

**Target** : SGLT

**Receptor** : SGLT

**Solubility** : —

**SMILES** : COc1cc(O)ccc1[C@@H]1CC(=O)c2c(O)cc(O)c(C[C@@H]1CC=C(C)C)C(C)=C)c2O1

**Storage** : (-20°C)

**Stability** : ≥ 2 years

**Reference** :