**Product Name:** Amentoflavone  
**CAS No.:** 1617-53-4  
**Cat. No.:** HY-N0662  
**MWt:** 538.46  
**Formula:** C30H18O10  
**Purity:** >98%  
**Solubility:** 10 mM in DMSO

**Mechanisms:**
Pathways: Others; Target: Others

**Biological Activity:**
Amentoflavone is a natural biflavone compound with many biological properties, including anti-inflammatory, antioxidative, and neuroprotective effects.

**IC50 value:**
**Target:**

*In vitro:* In irradiated v79 cells, Pretreatment with amentoflavone 24 hours prior to 8 Gy 60Co γ-ray irradiation significantly inhibited apoptosis, promoted the G2 phase, decreased the concentration of ROS and mitochondrial mass [2]. Amentoflavone dose-dependently inhibited the viability of SW480 cells, and a high concentration of amentoflavone (150 μmol/L) obviously induced apoptosis of the cells [3].

*In vivo:* In epilepsy models, amentoflavone effectively prevented pilocarpine-induced epilepsy in a mouse kindling model, suppressed nuclear factor-κB activation and expression, inhibited excessive discharge of hippocampal neurons resulting in a reduction in epileptic seizures, shortened attack

**References:**

**Caution:** Not fully tested. For research purposes only

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