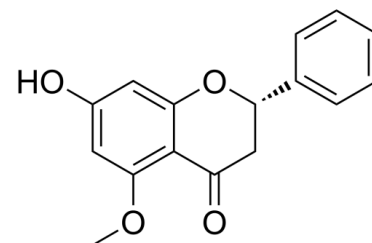


## Data Sheet

|                           |  |
|---------------------------|--|
| <b>Product Name:</b>      | Alpinetin  |
| <b>Cat. No.:</b>          | CS-0016792   |
| <b>CAS No.:</b>           | 36052-37-6   |
| <b>Molecular Formula:</b> | C <sub>16</sub> H <sub>14</sub> O <sub>4</sub>                                       |
| <b>Molecular Weight:</b>  | 270.28   |
| <b>Target:</b>            | PPAR   |
| <b>Pathway:</b>           | Cell Cycle/DNA Damage; Metabolic Enzyme/Protease; Vitamin D Related/Nuclear Receptor |
| <b>Solubility:</b>        | DMSO : 50 mg/mL (184.99 mM; Need ultrasonic)   |



### BIOLOGICAL ACTIVITY:

Alpinetin is a flavonoid isolated from *Alpinia katsumadai* Hayata, activates activates **PPAR-γ**, with potent anti-inflammatory activity<sup>[1]</sup>.

### References:

[1]. Hu K, et al. Alpinetin inhibits LPS-induced inflammatory mediator response by activating PPAR-γ in THP-1-derived macrophages. Eur J Pharmacol. 2013 Dec 5;721(1-3):96-102.

[2]. Huang Y, et al. Alpinetin inhibits lipopolysaccharide-induced acute kidney injury in mice. Int Immunopharmacol. 2015 Oct;28(2):1003-8.

### CAIndexNames:

4H-1-Benzopyran-4-one, 2,3-dihydro-7-hydroxy-5-methoxy-2-phenyl-, (2S)-

### SMILES:

O=C1C[C@@H](C2=CC=CC=C2)OC3=CC(O)=CC(OC)=C13

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

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