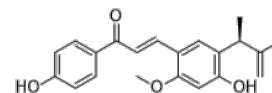


**Product Name** : Licochalcone E  
**Cat. No.** : PC-23581  
**CAS No.** : 864232-34-8  
**Molecular Formula** : C<sub>21</sub>H<sub>22</sub>O<sub>4</sub>  
**Molecular Weight** : 338.40  
**Target** : Keap1-Nrf2  
**Solubility** : 10 mM in DMSO



## Biological Activity

Licochalcone E (LicoE) is a glycyrrhiza-inflata-derived chalcone, exhibits potent anti-inflammatory properties inhibits A $\beta$ 1-42 aggregation and activates Nrf2, also inhibits pancreatic lipase (PL) with IC<sub>50</sub> of 5.8  $\mu$ M.

Licochalcone E displays high efficiency against methicillin-resistant Staphylococcus aureus (MRSA).

Licochalcone E activates Nrf2/antioxidant response element signaling pathway in both neuronal and microglial cells.

Licochalcone E suppresses lung metastasis in the 4T1 mammary orthotopic cancer model.

Licochalcone E improves insulin sensitivity in palmitic acid-treated HepG2 cells through inhibition of the NLRP3 signaling pathway.

## References

Kim SS, et al. J Nutr Biochem. 2012 Oct;23(10):1314-23.

Zhou T, et al. J Microbiol Biotechnol. 2012 Jun;22(6):800-5.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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