

**Product Name** : CYP2E1 inhibitor Q11  
**Cat. No.** : PC-23290  
**CAS No.** : 38205-55-9  
**Molecular Formula** : C<sub>6</sub>H<sub>7</sub>NOS  
**Molecular Weight** : 141.19  
**Target** : Cytochrome P450 (CYPs)  
**Solubility** : 10 mM in DMSO



## Biological Activity

CYP2E1 inhibitor Q11 is a specific Cytochrome P450 2E1 (CYP2E1) inhibitor with  $K_i$  of 897 nM.

Q11 decreased paw thickness, volume and arthritis scores and reduced the serum levels of IL-6, TNF- $\alpha$ , IL-1 $\beta$  and MDA, and increased the level of GSH in CIA rats.

Q11 significantly impeded proliferation, migration, and invasion of human rheumatoid arthritis synovial fibroblasts cells.

Q11 decreased the release of ROS and enhanced Nrf2 nuclear translocation and HO-1 expression in the cell nucleus.

## References

Zixinying Han, et al. *Biochem Pharmacol.* 2024 Aug 20:229:116501.

Hu G, et al. *Adv Sci (Weinh).* 2023 Aug;10(23):e2301096.

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

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