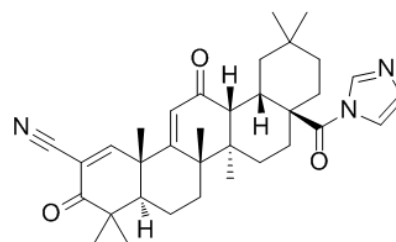


**Product Name** : CDDO-Im  
**Cat. No.** : PC-44663  
**CAS No.** : 443104-02-7  
**Molecular Formula** : C<sub>34</sub>H<sub>43</sub>N<sub>3</sub>O<sub>3</sub>  
**Molecular Weight** : 541.7235  
**Target** : Keap1-Nrf2  
**Solubility** : 10 mM in DMSO



## Biological Activity

CDDO-Im (RTA-403) is a potent **Nrf2** activator that elevates protein levels of Nrf2 and induces Nrf2/ARE signaling, also activates **PPAR** with *K<sub>i</sub>* values of 232 and 344 nM for PPAR $\alpha$  and PPAR $\gamma$ .

CDDO-Im induced Ahr, Cyp1a1, and Cyp1b1 transcription in Nrf2<sup>+/+</sup> MEFs but not in Nrf2<sup>-/-</sup> MEFs.

CDDO-Im significantly reduces lung oxidative stress, alveolar cell apoptosis, alveolar destruction, and pulmonary hypertension in Nrf2<sup>(+/+)</sup> mice.

## References

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Sussan TE, et al. *Proc Natl Acad Sci U S A.* 2009 Jan 6;106(1):250-5.

Shin S, et al. *Mol Cell Biol.* 2007 Oct;27(20):7188-97.

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

E-mail: tech@probechem.com