

CDDO-EA

Catalog No: tcsc3079



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

932730-51-3

Formula:

$C_{33}H_{46}N_2O_3$

Pathway:

NF-κB

Target:

Keap1-Nrf2

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 34 mg/mL (65.54 mM)

Alternative Names:

CDDO ethyl amide;TP319;RTA 405

Observed Molecular Weight:

518.73

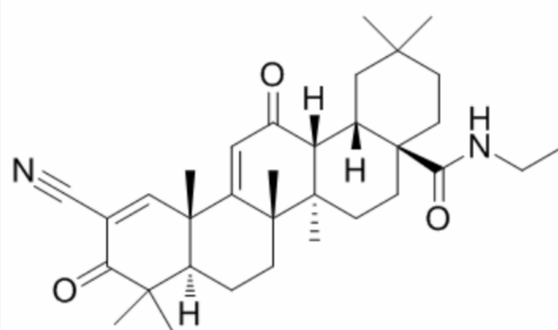
Product Description

CDDO-EA is an NF-E2 related factor 2/antioxidant response element (**Nrf2/ARE**) activator.

IC50 & Target: Nrf2/ARE^[1]

In Vitro: CDDO-EA potently activates Nrf2/ARE in a cell culture model of ALS and in the G93A SOD1 mouse model of ALS^[1]. CDDO-EA is a potent inducer of apoptosis in A549 lung cancer cells, as shown both by PARP cleavage and Annexin staining. CDDO-EA is more potent than CDDO itself as inducers of heme oxygenase-1 (HO-1). In RAW264.7 macrophage-like cells, CDDO-EA is 7-fold more potent than CDDO as suppressors of the ability of IFN- γ to induce iNOS^[2].

In Vivo: The survival analysis shows that G93A mice treated with CDDO-EA, compared to G93A littermate controls, lives significantly longer. CDDO-EA treatment increases the life-span by 20.6 days from 124.05 ± 3.7 days to 144.72 ± 8.1 days (16.6%) (p[1]).



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!