

Bardoxolone (methyl)

Catalog No: tcsc0598



Available Sizes

Size: 10mg

Size: 50mg

Size: 100mg

Size: 200mg

Size: 500mg



Specifications

CAS No:

218600-53-4

Formula:

$C_{32}H_{43}NO_4$

Pathway:

Autophagy;NF-κB

Target:

Autophagy;Keap1-Nrf2

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 49 mg/mL (96.90 mM)

Alternative Names:

NSC 713200;RTA 402;CDDO Methyl ester

Observed Molecular Weight:

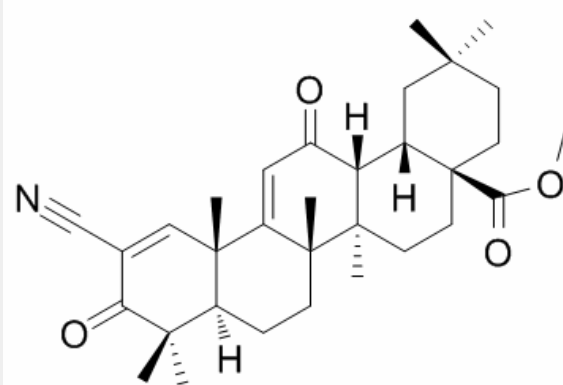
505.69

Product Description

Bardoxolone is a synthetic triterpenoid compound with potential antineoplastic and anti-inflammatory activities, acting as an activator of the **Nrf2** pathway and an inhibitor of the **NF-κB** pathway.

IC50 & Target: Nrf2^[1]

In Vivo: Bardoxolone Methyl (30 mg/kg, p.o.) decreases renal expression of megalin but not cubilin, increases creatinine clearance and urinary albumin-to-creatinine ratios, and induces Nrf2 cytoprotective targets in cynomolgus monkeys^[1]. Bardoxolone Methyl could induce overall favorable effects on the heart via its improvement in eGFR in both animal models and clinical trials^[2].



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