



## **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 <sub>32</sub> H <sub>43</sub> NO <sub>4</sub>
<b>Pathway:</b> Autophagy;NF-κΒ
Target: Autophagy;Keap1-Nrf2
Purity / Grade: >98%
<b>Solubility:</b> 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-KB** pathway.

IC50 & Target: Nrf2<sup>[1]</sup>

*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<sup>[1]</sup>. Bardoxolone Methyl could induce overall favorable effects on the heart via its improvement in eGFR in both animal models and clinical trials<sup>[2]</sup>.

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