

Catalog	Unit
TBI5449-5MG	5 mg
TBI5449-25MG	25 mg

Product Details

Formal Name: 2-Cyano-3,12-dioxooleana-1,9(11)-dien-28-oic acid methyl ester

Alternate Names: Bardoxolone methyl; RTA 402; TP-155; CDDO-Methyl ester

Molecular Formula: C₃₂H₄₃NO₄

Formula Weight: 505.70

CAS Number: 218600-53-4

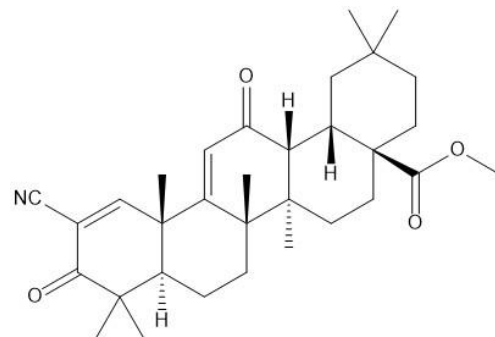
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (25 mg/ml, warm)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Nrf2 activator

Functions

Potent activator of Nrf2 target transcription via interaction with thiol groups of Keap1, an Nrf2 partner, in phase 2 response against oxidative stress. Inhibits the NF-κB pathway via inhibition of IKKα activation in vitro and reduces expression of proinflammatory cytokines in vivo. Alters tumor microenvironment causing breast tumor associated macrophages to switch from tumor-promoting to tumor-inhibiting characteristics in vitro. Reduces cancer stem cell marker expression in Ec109 and KYSE70 cells.

Application Procedures

First dissolved in DMSO (25 mg/ml, warm), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.