PRODUCT: Bardoxolone

ALTERNATE NAME: 2-cyano-3,12-dioxo-oleana-1,9(11)-dien-28-oic acid; RTA 402; CDDO

CATALOG #: B1170-5,25

AMOUNT: 5 mg, 25 mg

STRUCTURE:

MOLECULAR FORMULA: C_{31}H_{41}NO_{4}

MOLECULAR WEIGHT: 491.66

CAS NUMBER: 218600-44-3

APPEARANCE: Light brown Solid

SOLUBILITY: DMSO (>4.5 mg/ml)

PURITY: ≥98% by HPLC

STORAGE: Store at -20°C. Protect from air and light.

DESCRIPTION: Bardoxolone is a synthetic oleanane triterpenoid that inhibits cellular iNOS production when stimulated by IFNγ, TNF-α and IL-1. It is Reata’s investigational lead molecule for CKD (chronic kidney disease). It is a potent inducer of the transcription factor Nrf2 which is an important biological target that controls the production of many of the body’s antioxidant and detoxification enzymes.


HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:
- 1400W hydrochloride (Cat. No. 2055-5, 25)
- Diphenyleneiodonium chloride (2358-5)
- eNOS Antibody (Cat. No. 3426R-100)
- L-NAME Hydrochloride (Cat. No. 2356-100, 500)
- L-NMMA acetate (Cat. No. 2358-5, 25, 100)
- Nitric Oxide Colorimetric Assay Kit (Cat. No. K262-200)
- Nitric Oxide Fluorometric Assay Kit (Cat. No. K252-20)
- 7-Nitroindazole (Cat. No. 2360-50, 250)
- Nitric Oxide Synthase (NOS) Activity Assay Kit (Colorimetric) (K205-100)
- Nitric Oxide Synthase (NOS) Activity Assay Kit (Fluorometric) (K206-100)
- ODQ (Cat. No. 2501-10, 50)

USAGE: FOR RESEARCH CH USE ONLY! Not to be used in humans