

Bardoxolone Methyl (RTA402)

Cat. # F5250-10, F5250-50

Also Known as: RTA402; CDDO-methyl ester
Formula: $C_{32}H_{43}NO_4$
MW: 505.69 g/mol
CAS No.: 218600-53-4
Source: Synthetic
Form: Powder
Solubility: Soluble in DMSO up to 20 mg/mL. Insoluble in water.
Preparation of Stocks in DMSO: 10 mg/mL = 19.8mM

Quality Assurance: >98% purity assayed by HPLC and NMR.

Description: Bardoxolone methyl (RTA402) is a potent Nrf2 transcription factor activator by targeting KEAP1 to prevent Nrf2 ubiquitination and degradation. It exhibits potent antioxidative and anti-inflammatory activities, currently under phase III clinical trials for multiple chronic kidney diseases. It also inhibits NFkappaB-mediated transcription.

Storage: Eligible for room temperature shipping. Store at -20°C upon receiving. Avoid multiple freeze-thaw cycles after dissolving in DMSO.

Literature:
1. Yates M. S., et al. Mol Cancer Ther 2007, 6 : 154.
2. Wu J., et al. Toxicology. 2014, 318, 22.