

Product Name : RTA-408

Synonyms : Omaveloxolone

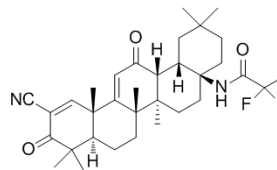
Cat No. : M12031

CAS Number : 1474034-05-3

Molecular Formula : C₃₃H₄₄F₂N₂O₃

Formula Weight : 554.71

Chemical Name : Propanamide, N-(2-cyano-3,12-dioxo-28-noroleana-1,9(11)-dien-17-yl)-2,2-difluoro-



Description : A potent Nrf2 activator that increases expression of Nrf2 target genes and decreases expression of inflammatory mediators; dose-dependently reduces NO concentrations with IC₅₀ value of 4.4±1.8 nM in RAW 264.7 cells; also increases p21 levels and JNK phosphorylation. Other Indication Phase 2 Clinical

Pathway : Nuclear Receptor/Transcription Factor

Target : Keap1-Nrf2

Receptor : Nrf2

Solubility : 10 mM in DMSO

SMILES : CC(F)(F)C(N[C@]1(CCC(C)C[C@@]1([C@]23[H])[H])C)CC[C@@]2(C)[C@]4(C)CCC5C(C)(C)C(C(C#N)=C[C@]5(C)C4=CC3=O)=O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Probst BL, et al. PLoS One. 2015 Apr 21;10(4):e0122942. | 2. Liu X, et al. Redox Biol. 2016 Aug;8:98-109. | 3. Nakagami Y, et al. J Radiat Res. 2016 Sep;57(5):567-571.