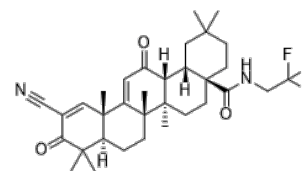


Product Name : CDDO-TFEA
Cat. No. : PC-25215
CAS No. : 932730-52-4
Molecular Formula : $C_{33}H_{43}F_3N_2O_3$
Molecular Weight : 572.71
Target : Keap1-Nrf2
Solubility : 10 mM in DMSO



Biological Activity

CDDO-TFEA (RTA 404, TP-500) is a trifluoroacetamide derivative of CDDO with enhanced ability to cross the blood-brain barrier, an Nrf2 activator that inhibits proliferation and induces differentiation and apoptosis in various cancer cells. CDDO-TFEA induces apoptosis and blocks colony formation in Ewing's sarcoma and neuroblastoma cell lines with IC50 values ranging from 85-170 nM.

CDDO-TFEE can enhance Nrf2 expression and signaling in various neurodegenerative disease models, including those mimicking multiple sclerosis, amyotrophic lateral sclerosis, and Huntington's disease.

References

Stack, et al. Free Radic. Biol. Med. 49(2), 147-158 (2010).

Borbala Daroczi, et al. Mol Cancer Ther. 2009 Sep;8(9):2625-34.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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