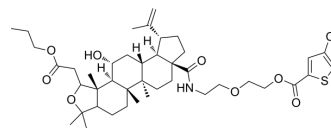


## ROS-IN-2

Cat. No.:	HY-149586
Molecular Formula:	C <sub>42</sub> H <sub>62</sub> ClNO <sub>8</sub> S
Molecular Weight:	776.46
Target:	Reactive Oxygen Species
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

ROS-IN-2 (compound 85) is a seco-lupane triterpenoid derivative. ROS-IN-2 blocks ROS production and protects mitochondria from damage by inhibiting excessive production of oxidative stressors. ROS-IN-2 can be used for myocardial ischemia/reperfusion (MI/R) injury research<sup>[1]</sup>.

## REFERENCES

[1]. Teng H, et al. Design and synthesis of 3,4-seco-lupane triterpene derivatives to resist myocardial ischemia-reperfusion injury by inhibiting oxidative stress-mediated mitochondrial dysfunction via the PI3K/AKT/HIF-1α axis. *Biomed Pharmacother.* 2023 Nov;167:115452.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA