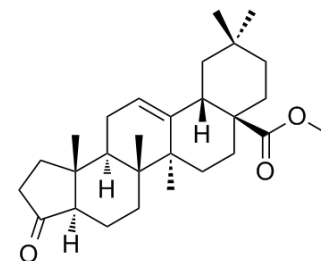


## Oleanolic acid derivative 2

Cat. No.:	HY-18003		
CAS No.:	211516-63-1		
Molecular Formula:	C <sub>28</sub> H <sub>42</sub> O <sub>3</sub>		
Molecular Weight:	426.63		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### BIOLOGICAL ACTIVITY

<b>Description</b>	Oleanolic acid derivative 2 is an oleanolic acid derivative, which is a novel triterpenoid-steroid hybrid molecule.
<b>In Vitro</b>	Oleanolic acid suppress transcription or translation of inducible nitric oxide synthase (iNOS) and inducible cyclooxygenase (COX-2) genes. HY-18003 is extracted from the reference, compound 12a. For the transformation of olefin 9a (HY-18002) into ketone 12a (HY-18003), the obvious ozonolysis cannot be used because ozone also reacts with the C-12 olefin of oleanane triterpenoids to give the 12R,13R-epoxide, 12-ketone,9 and 12R-hydroxy lactone. <sup>[1]</sup>

### REFERENCES

[1]. Tadashi Honda, et al. Design and Synthesis of 23,24-Dinoroleanolic Acid Derivatives, Novel Triterpenoid-Steroid Hybrid Molecules. *J. Org. Chem.*, 1998, 63 (14), pp 4846-4849.

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

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