
Product Data Sheet

Product Name: Oleanolic acid derivative 2

Cat. No.: GC36796

Chemical Properties

Cas. No. 211516-63-1

SMILES C[C@@]12CC[C@](C(CC3)=O)([H])[C@@]3(C)[C@@]1([H])CC=C4[C@]5([H])CC(C)(C)CC[C@@](C(OC)=O)5CC[C@@]24C

Formula	C ₂₈ H ₄₂ O ₃	M.Wt	426.63
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Solubility	Soluble in DMSO	Storage	Store at -20°C
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General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Oleanolic acid derivative 2 is an oleanolic acid derivative, which is a novel triterpenoid-steroid hybrid molecule.

Oleanolic acid suppress transcription or translation of inducible nitric oxide synthase (iNOS) and inducible cyclooxygenase (COX-2) genes. extracted from the reference, compound 12a. For the transformation of olefin 9a into ketone 12a , 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.[1].

[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.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA
