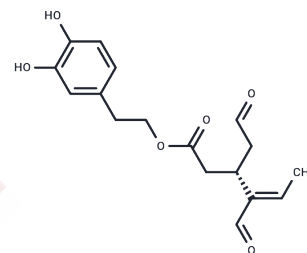


Oleacein

Chemical Properties

CAS No. :	149183-75-5
Formula:	C17H20O6
Molecular Weight:	320.34
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Oleacein is a natural polyphenol from extra virgin olive oil, exhibiting potent antioxidant and anti-inflammatory properties used in metabolic disease research.
Targets(IC50)	Others
In vitro	In biochemical assays, Oleacein demonstrated significant inhibitory activity against angiotensin-converting enzyme (ACE) derived from natural plant sources [1].
In vivo	In high-fat diet-fed mouse models, oral administration of Oleacein significantly reduced hepatic steatosis, limited weight gain, and improved overall insulin sensitivity [2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1217 mL	15.6084 mL	31.2168 mL
5 mM	0.6243 mL	3.1217 mL	6.2434 mL
10 mM	0.3122 mL	1.5608 mL	3.1217 mL
50 mM	0.0624 mL	0.3122 mL	0.6243 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Somanadhan B, et al. Angiotensin converting enzyme (ACE) inhibitors from Jasminum azoricum and Jasminum grandiflorum. *Planta Med.* 1998 Apr;64(3):246-50.
- Lombardo GE, et al. Effects of Oleacein on High-Fat Diet-Dependent Steatosis, Weight Gain, and Insulin Resistance in Mice.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481