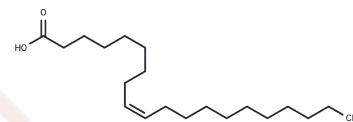


Gadoleic Acid

Chemical Properties

CAS No. :	29204-02-2
Formula:	C ₂₀ H ₃₈ O ₂
Molecular Weight:	310.51
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	Gadoleic acid is a monounsaturated fatty acid. ^{1,2} It inhibits the dsDNA binding activity of p53 when used at a concentration of 1.2 nM. ¹ Hepatic levels of gadoleic acid are reduced in rats fed a high-fat or a high-fat high-cholesterol diet and increased in rats fed a high-cholesterol diet. ²
Targets(IC50)	Others

Solubility Information

Solubility	Ethanol: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2205 mL	16.1025 mL	32.2051 mL
5 mM	0.6441 mL	3.2205 mL	6.441 mL
10 mM	0.3221 mL	1.6103 mL	3.2205 mL
50 mM	0.0644 mL	0.3221 mL	0.6441 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

- Iijima, H., Kasai, N., Chiku, H., et al. The inhibitory action of long-chain fatty acids on the DNA binding activity of p53. *Lipids* 41(6):521-527(2006)
- Serviddio, G., Bellanti, F., Villani, R., et al. Effects of dietary fatty acids and cholesterol excess on liver injury: A lipidomic approach. *Redox Biol.* 9:296-305(2016)

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