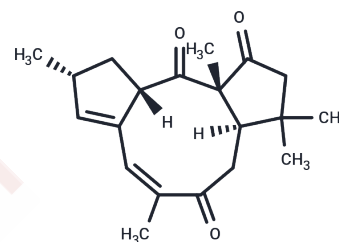


## Jatrophatrione

## Chemical Properties

CAS No. :	58298-76-3
Formula:	C <sub>20</sub> H <sub>26</sub> O <sub>3</sub>
Molecular Weight:	314.42
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	Jatrophatrione is a type of bioactive mesotricyclic diterpenoid.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1805 mL	15.9023 mL	31.8046 mL
5 mM	0.6361 mL	3.1805 mL	6.3609 mL
10 mM	0.318 mL	1.5902 mL	3.1805 mL
50 mM	0.0636 mL	0.318 mL	0.6361 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

- Melchor-Martínez EM, Silva-Mares DA, Torres-López E, Waksman-Minsky N, Pauli GF, Chen SN, Niemitz M, Sánchez-Castellanos M, Toscano A, Cuevas G, Rivas-Galindo VM. Stereochemistry of a Second Riolozone and Other Diterpenoids from *Jatropha dioica*. *J Nat Prod*. 2017 Aug 25;80(8):2252-2262. doi: 10.1021/acs.jnatprod.7b00193. Epub 2017 Aug 3. PubMed PMID: 28771358; PubMed Central PMCID: PMC5714812.
- Yang J, Long YO, Paquette LA. Concise total syntheses of the bioactive mesotricyclic diterpenoids jatrophatrione and citlalitrione. *J Am Chem Soc*. 2003 Feb 12;125(6):1567-74. PubMed PMID: 12568617.
- Paquette LA, Yang J, Long YO. Concerning the antileukemic agent jatrophatrione: the first total synthesis of a [5.9.5] tricyclic diterpene. *J Am Chem Soc*. 2002 Jun 12;124(23):6542-3. PubMed PMID: 12047168.
- Paquette LA, Edmondson SD, Monck N, Rogers RD. Studies Directed toward the Synthesis of the Unusual Antileukemic Diterpene Jatrophatrione. 2. Functionalization of Advanced Polycyclic Precursors to the 9-Epi and 8,9-Dehydro Congeners. *J Org Chem*. 1999 Apr 30;64(9):3255-3265. PubMed PMID: 11674428.

**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