

Julocrotine

Chemical Properties

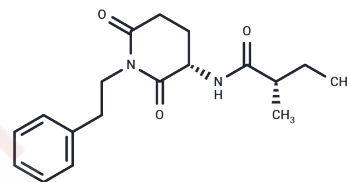
CAS No. : 492-87-5

Formula: C₁₈H₂₄N₂O₃

Molecular Weight: 316.39

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	Julocrotine is a type of glutarimide alkaloid from Croton membranaceus.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1607 mL	15.8033 mL	31.6066 mL
5 mM	0.6321 mL	3.1607 mL	6.3213 mL
10 mM	0.3161 mL	1.5803 mL	3.1607 mL
50 mM	0.0632 mL	0.3161 mL	0.6321 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

Ndunda B, Langat MK, Wanjohi JM, Midiwo JO, Kerubo LO. Alienusolin, a new 4 α -deoxyphorbol ester derivative, and crotonimide C, a new glutarimide alkaloid from the Kenyan Croton alienus. *Planta Med.* 2013 Dec;79(18): 1762-6. doi: 10.1055/s-0033-1351044. Epub 2013 Dec 19. PubMed PMID: 24356872.

Neves Filho RA, Westermann B, Wessjohann LA. Synthesis of (-)-julocrotine and a diversity oriented Ugi-approach to analogues and probes. *Beilstein J Org Chem.* 2011;7:1504-7. doi: 10.3762/bjoc.7.175. Epub 2011 Nov 7. PubMed PMID: 22238524; PubMed Central PMCID: PMC3252850.

Silva LL, Joussef AC. Synthesis of N-[(3S)-2,6-dioxo-1-(2-phenylethyl)-3-piperidinyl]-(2S)-2-methylbutanamide ((-)-julocrotine). *J Nat Prod.* 2011 Jun 24;74(6):1531-4. doi: 10.1021/np200234e. Epub 2011 May 5. PubMed PMID: 21545108.

Guimarães LR, Rodrigues AP, Marinho PS, Muller AH, Guilhon GM, Santos LS, do Nascimento JL, Silva EO. Activity of the julocrotine, a glutarimide alkaloid from Croton pullei var. glabrior, on *Leishmania (L.) amazonensis*. *Parasitol Res.* 2010 Oct;107(5):1075-81. doi: 10.1007/s00436-010-1973-0. Epub 2010 Jul 27. PubMed PMID: 20661748.

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