

Product Data Sheet

Product Name: Hentriacontane

Cat. No.: GC47421

Chemical Properties

Cas. No. 630-04-6

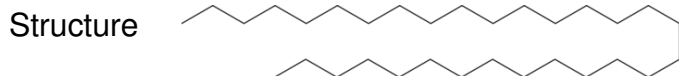
SMILES CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

Formula $C_{31}H_{64}$ M.Wt 436.8

Solubility Heptane: 5 mg/ml; Soluble in Chloroform Storage Store at -20°C

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.



Background

Hentriacontane is an alkane that has anti-inflammatory activity.¹ It reduces LPS-induced TNF- α , IL-6, and IL-1 β production in RAW 264.7 cells. Hentriacontane (2 and 5 mg/kg) reduces LPS-induced TNF- α , IL-6, and IL-1 β production in whole blood and carrageenan-induced paw edema in mice.

1. Khajuria, V., Gupta, S., Sharma, N., et al. Anti-inflammatory potential of hentriacontane in LPS stimulated RAW 264.7 cells and mice model. *Biomed. Pharmacother.* 92:175-186 (2017)

Caution: Product has not been fully validated for medical applications. For research use only.

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