

Product Data Sheet

Product Name: MHP
Cat. No.: GC19501

Chemical Properties

Cas. No. 1104874-94-3

SMILES OC(C=C1)=CC=C1C[C@@H](C(OC)=O)NC(CCCCC)=O

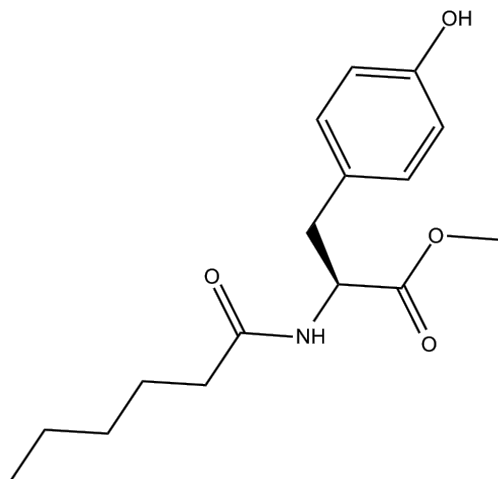
Formula $C_{16}H_{23}NO_4$ M.Wt 293.36

Solubility DMSO : ≥ 100 mg/mL (340.88 mM) 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.

Structure



Background

MHP (Methyl caprooyl tyrosinate) is an activator of sphingosine kinase (SPHK1), and significantly stimulates CAMP mRNA and protein production. MHP (Methyl caprooyl tyrosinate) enhances antimicrobial defense and innate immunity[1].

MHP (50-250 μM for 24 hours) increases CAMP mRNA levels in keratinocytes[1]. MHP (100 μM for 24 hours) increases CAMP protein levels in keratinocytes[1].

References:

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

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[1]. Jeong SK, et al. Sphingosine kinase 1 activation enhances epidermal innate immunity through sphingosine-1-phosphate stimulation of cathelicidin production. J Dermatol Sci. 2015 Sep;79(3):229-34.

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