

Product Data Sheet

Product Name: trans-Clovamide

Cat. No.: GC45070

Chemical Properties

Cas. No. 53755-02-5

SMILES OC1=CC=C(/C=C/C(N[C@H](C(O)=O)CC2=CC=C(O)C(O)=C2)=O)C=C1O

Formula C₁₈H₁₇NO₇

M.Wt 359.3

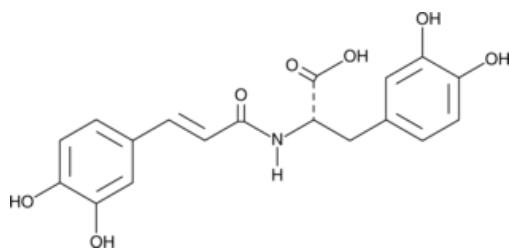
Solubility DMF: 30 mg/ml, DMSO: 25 mg/ml, Ethanol: 0.3 mg/ml, PBS (pH 7.2): 10 mg/ml

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

trans-Clovamide is a naturally occurring caffeoyl conjugate identified in the antioxidant polyphenolic fraction of cocoa (*T. cacao* L.). It has antioxidant and antiradical properties and has shown neuroprotective effects (EC₅₀s = 0.9-3.7 μM) in several in vitro models of neuronal death.

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

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