

Product Data Sheet

Product Name: Elasnin
Cat. No.: GC40965

Chemical Properties

Cas. No. 68112-21-0

SMILES O=C1OC(CCCCC)C(CCCCC)=O=C(CCCC)C(O)=C1CCCC

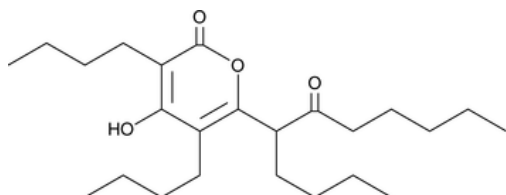
Formula C₂₄H₄₀O₄ M.Wt 392.6

Solubility Soluble in DMSO 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

Elasnin is a product isolated from certain strains of *Streptomyces* that acts as a reversible inhibitor of elastase with IC₅₀ values of 1.3 and 30 µg/ml for human granulocyte and pancreatic enzymes, respectively. It inhibits human leukocyte elastase, porcine pancreatic elastase, and chymotrypsin with K_i values of 93, 69, and 224 µM, respectively.

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

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