

Product Data Sheet

Product Name: β -Hydroxyisovalerylshikonin

Cat. No.: GC38006

Chemical Properties

Cas. No. 7415-78-3

SMILES CC(C)(O)CC(O[C@@H](C(C1=O)=CC(C2=C1C(O)=CC=C2O)=O)C/C=C(C)\C)=O

Formula $C_{21}H_{24}O_7$

M.Wt 388.41

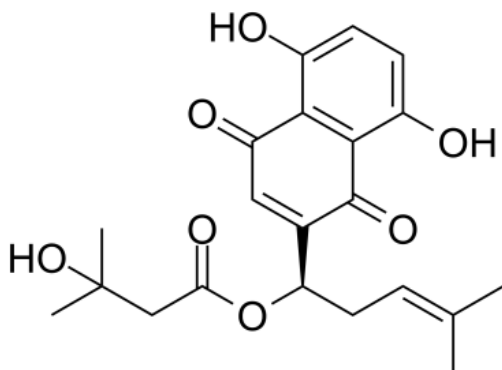
Solubility Soluble in DMSO

Storage 4°C, protect from light

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

Beta-hydroxyisovalerylshikonin is a natural product isolated from *Lithospermium radix*, acts as a potent inhibitor of protein tyrosine kinases (PTK), with IC₅₀s of 0.7 μ M and 1 μ M for EGFR and v-Src receptor, respectively. Beta-hydroxyisovalerylshikonin is effective against a wide variety of tumor cell lines, and most efficiently induces cell-death in NCI-H522 and DMS114 cells[1]. IC₅₀: 0.7 μ M (EGFR), 1 μ M (v-Src)[1]

[1]. Hashimoto S, et al. Beta-hydroxyisovalerylshikonin is a novel and potent inhibitor of protein

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

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tyrosine kinases. Jpn J Cancer Res. 2002 Aug;93(8):944-51.

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