

Product Data Sheet

Product Name: Vanicoside B

Cat. No.: GC76440

Chemical Properties

Cas. No. 155179-21-8

Formula $C_{49}H_{48}O_{20}$

M.Wt 956.89

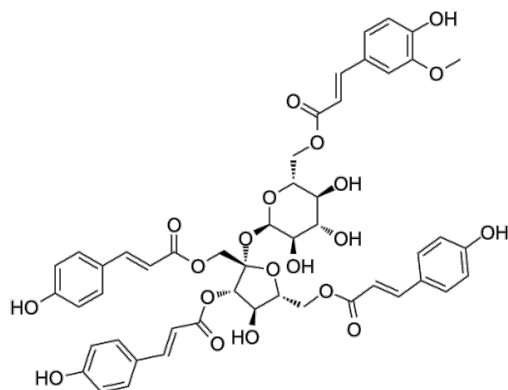
Solubility DMSO: 100 mg/mL (104.51 mM;
Need ultrasonic)

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

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

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Vanicoside B is a phenylpropanoyl sucrose derivative, can be isolated from the herb *Persicaria dissitiflora*. Vanicoside B targets cyclin-dependent kinase 8 (CDK8) and exhibits anti-tumor activity. The potential mechanism is Vanicoside B blocks CDK8-mediated signaling pathways and decreases the expression of epithelial-mesenchymal transition proteins, so that it leads to cell cycle arrest and apoptosis^{[1][2]}.

References:

- [1]. Kim D, et al. Antitumor Activity of Vanicoside B Isolated from *Persicaria dissitiflora* by Targeting CDK8 in Triple-Negative Breast Cancer Cells. *J Nat Prod*. 2019 Nov 22;82(11):3140-3149.
- [2]. Takasaki M, et al. Cancer chemopreventive activity of phenylpropanoid esters of sucrose, vanicoside B and lapathoside A, from *Polygonum lapathifolium*. *Cancer Lett*. 2001 Nov 28;173(2):133-8.

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