
Product Data Sheet

Product Name: Nodakenetin

Cat. No.: GC38983

Chemical Properties

Cas. No. 495-32-9

SMILES O=C1C=CC2=CC3=C(O[C@@H](C(C)(O)C)C3)C=C2O1Formula $C_{14}H_{14}O_4$

M.Wt 246.26

Solubility DMSO : 100 mg/mL (406.07 mM; Need ultrasonic)

Storage Store at -20°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**

Nodakenetin (NANI), a plant-derived coumarin isolated from *Angelica decursiva*, inhibits α -glucosidase, PTP1B, rat lens aldose reductase (RLAR), AChE, BChE, and β -site amyloid precursor protein cleaving enzyme 1 (BACE1). Nodakenetin alters the protein expression of Bax and Bcl-2, and prompts mitochondrial apoptosis. Nodakenetin exhibits anti-tumor activity.

[1] Md Yousof Ali, et al. Arch Pharm Res. 2015 Dec;38(12):2216-27. [2] Ping Lei, et al. J BUON. May-Jun 2019;24(3):1219-1224.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA