
Product Data Sheet

Product Name: Negletein

Cat. No.: GC39070

Chemical Properties

Cas. No. 29550-13-8

SMILES O=C1C=C(C2=CC=CC=C2)OC3=CC(OC)=C(O)C(O)=C13Formula $C_{16}H_{12}O_5$

M.Wt 284.26

Solubility DMSO : 100 mg/mL (351.79 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**

Negletein is a neuroprotectant enhances the action of nerve growth factor and induces neurite outgrowth in PC12 cells. Negletein shows promising anti-inflammatory activity via inhibition of TNF- α and IL-1 β with IC50 values of 16.4 and 10.8 μ M, respectively[1].

[1]. Phan CW, et al. Negletein as a neuroprotectant enhances the action of nerve growth factor and induces neurite outgrowth in PC12 cells. *Biofactors*. 2016 Nov 12;42(6):591-599. [2]. Singh B, et al. Anti-inflammatory and immunomodulatory flavones from *Actinocarya tibetica* Benth. *Nat Prod Res*. 2013;27(23):2227-30.

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

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