
Product Data Sheet

Product Name: Glabrene

Cat. No.: GC36144

Chemical Properties

Cas. No. 60008-03-9

SMILES OC1=C2C=CC(C)(C)OC2=C(C3=CC4=CC=C(O)C=C4OC3)C=C1Formula $C_{20}H_{18}O_4$ M.Wt 322.35Solubility Soluble in DMSO Storage Store at $-20^{\circ}C$

General tips For obtaining a higher solubility , please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ 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**

Glabrene, an isoflavene derived from licorice root, shows estrogen-like activity. Glabrene is a tyrosinase inhibitor with an IC_{50} of $3.5 \mu M$ [1][2]. IC_{50} : $3.5 \mu M$ (Tyrosinase)[2]

[1]. Somjen D, et al. Estrogenic activity of glabridin and glabrene from licorice roots on human osteoblasts and prepubertal rat skeletal tissues. J Steroid Biochem Mol Biol. 2004 Aug;91(4-5):241-6. [2]. Nerya O, et al. Glabrene and isoliquiritigenin as tyrosinase inhibitors from licorice roots. J Agric Food Chem. 2003 Feb 26;51(5):1201-7

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

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