
Product Data Sheet

Product Name: Isotanshinone I

Cat. No.: GC36347

Chemical Properties

Cas. No. 20958-17-2

SMILES O=C1C2=C(C3=C(C=C2)C(C)=CC=C3)C(C4=C1C(C)=CO4)=OFormula $C_{18}H_{12}O_3$ M.Wt 276.29

Solubility Soluble in DMSO Storage Store at -20°C

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**

Isotanshinone I has inhibitory activity against α -glucosidase and formation of AGE, with IC50s of 1.13, 0.432 μ M for α -glucosidase and AGE, respectively. IC50: 1.13 μ M (α -glucosidase), 0.432 μ M (AGE)[1].

[1]. Ma HY, et al. Constituents with α -glucosidase and advanced glycation end-product formation inhibitory activities from *Salvia miltiorrhiza* Bge. *J Nat Med.* 2011 Jan;65(1):37-42.

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