

Product Data Sheet

Product Name: RV01
Cat. No.: GC37576

Chemical Properties

Cas. No. 1016897-10-1

SMILES OC1=CC(/C=C/C2=CC=NC3=CC=CC=C23)=CC(O)=C1

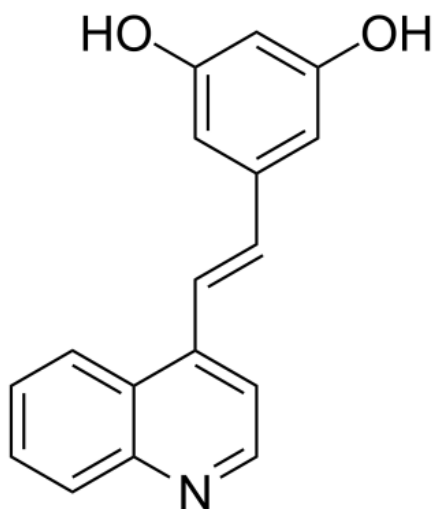
Formula $C_{17}H_{13}NO_2$ M.Wt 263.29

Solubility DMSO: 5 mg/mL (18.99 mM) 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

RV01 is an analogue of resveratrol, inhibits DNA damage, reduces acetaldehyde dehydrogenase 2 (ALDH2) mRNA expression induced by ethanol, and exhibits hydroxyl radical scavenging activity[1]. RV01 decreases iNOS expression, with anti-neuroinflammatory activity[2].

[1]. Yan Y, et al. Protection of resveratrol and its analogues against ethanol-induced oxidative DNA damage in human peripheral lymphocytes. *Mutat Res.* 2011 Apr 3;721(2):171-7. [2]. Hou Y, et al. A Novel Quinolyl-Substituted Analogue of Resveratrol Inhibits LPS-Induced Inflammatory Responses in

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

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Microglial Cells by Blocking the NF- κ B/MAPK Signaling Pathways. Mol Nutr Food Res. 2019 Aug 4:e1801380.

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