
Product Data Sheet

Product Name: Rosmarinic acid racemate

Cat. No.: GC37558

Chemical Properties

Cas. No. 537-15-5

SMILES O=C(O)C(OC(/C=C/C1=CC=C(O)C(O)=C1)=O)CC2=CC=C(O)C(O)=C2Formula C₁₈H₁₆O₈ M.Wt 360.31

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**

Rosmarinic acid racemate is the racemate of Rosmarinic acid. Rosmarinic acid inhibits MAO-A, MAO-B and COMT enzymes with IC₅₀s of 50.1, 184.6 and 26.7 μM, respectively. Human Endogenous Metabolite

[1]. Andrade JM, et al. Combining in vitro and in silico approaches to evaluate the multifunctional profile of rosmarinic acid from *Blechnum brasiliense* on targets related to neurodegeneration. *Chem Biol Interact.* 2016 Jul 25;254:135-45.

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

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