

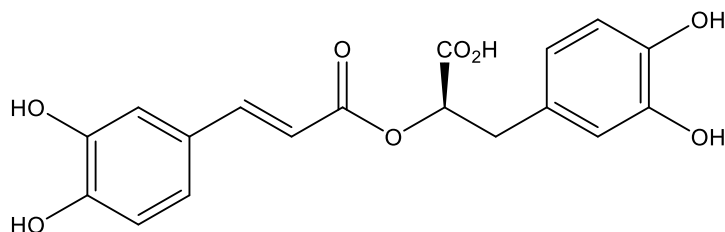
Catalog # 10-2289

Rosmarinic acid

CAS# 20283-92-5

(2R)-3-(3,4-dihydroxyphenyl)-2-[(E)-3-(3,4-dihydroxyphenyl)prop-2-enoyl]oxypropanoic acid

Lot # X101702



Displays radical scavenging¹, anti-inflammatory² and amyloid- β aggregation inhibition activities³. Acts as an agonist at GPR35.⁴

- 1) Miliauskas *et al.* (2005), *Identification of radical scavenging compounds in Rhaponticum carthamoids by means of LC-DAD-SPE-NMR*; J. Nat. Prod., **68** 168
- 2) Sahu *et al.* (1999), *Inhibition of complement by covalent attachment of rosmarinic acid to activated C3b*; Biochem. Pharmacol, **57** 1439
- 3) Ono *et al.* (2012), *Phenolic compounds prevented amyloid β -protein oligomerization and synaptic dysfunction by site-specific binding*; J. Biol. Chem., **287** 14631
- 4) Deng *et al.* (2012), *Multiple tyrosine metabolites are GPR35 agonists*; Sci. Rep., **2** 373

PHYSICAL DATA

Molecular Weight:	360.32
Molecular Formula:	C ₁₈ H ₁₆ O ₈
Purity:	98% (TLC); NMR (Conforms)
Solubility:	Soluble in DMSO (15 mg/ml, warm); Water (30 mg/ml)
Physical Description:	Beige powder
Storage and Stability:	Store desiccated as supplied at ambient temperature for up to 1 year. Store solutions at -20°C for up to 1 month.

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