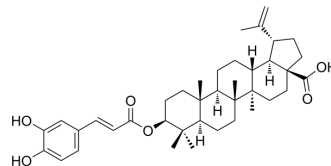


Pyracrenic acid

Cat. No.:	HY-130294
CAS No.:	80832-44-6
Molecular Formula:	C ₃₉ H ₅₄ O ₆
Molecular Weight:	618.84
Target:	Elastase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Pyracrenic acid is an elastase inhibitor (IC ₅₀ = 2.42 μM), can be obtained from the bark of <i>Pyracantha crenulata</i> . Pyracrenic acid has DPPH free radical scavenging activity and anti-inflammatory activity ^{[1][2]} .
In Vitro	Pyracrenic acid exhibits very strong elastase inhibition activity with an IC ₅₀ value of 1.5 μg/mL (2.42 μM) ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Otsuka H, et al. Studies on anti-inflammatory agents. V. A new anti-inflammatory constituent of *Pyracantha crenulata* roem. Chem Pharm Bull (Tokyo). 1981 Nov;29(11):3099-104.

[2]. Kim J H, et al. Compounds with elastase inhibition and free radical scavenging activities from *Callistemon lanceolatus*. J Med Plants Res. 2009, 3(11): 914-920.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA