

Ficain

Cat. No.:	HY-P3028
CAS No.:	9001-33-6
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

Ficain

SOLVENT & SOLUBILITY

In Vitro	H ₂ O : ≥ 10 mg/mL * "≥" means soluble, but saturation unknown.
----------	---

BIOLOGICAL ACTIVITY

Description	Ficain is an enzyme extract composed of several proteases that can be isolated from <i>Ficus hispida</i> L. and the latex of fig (<i>Ficus carica</i>). Ficain has different specificities in different proportions during fruit ripening. Ficain is widely used in protein hydrolysis, food, production of bioactive peptides and antibody fragments ^{[1][2]} .
In Vitro	Ficain (0-8 µg/mL) uses casein as the substrate and measured the absorbance of trichloroacetic acid filtrate at 280 nm to detect Ficain activity ^[2] . Ficain (0-200 µg/mL) increases the absorbance at 400 nm with dose dependent manner when p-nitrophenyl carbobenzoxyglycinate was used as the substrate ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Morellon-Sterling R, et al. Ficin: A protease extract with relevance in biotechnology and biocatalysis. *Int J Biol Macromol*. 2020 Nov 1;162:394-404.
- [2]. Liener I E, Friedenson B. [17] Ficin[M]//*Methods in enzymology*. Academic Press, 1970, 19: 261-273.
- [3]. RatanaKhanokchai K. Purification and Characterization of Cysteine Proteinase from Some Vegetables and fruits[J]. 2009.

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 F, Monmouth Junction, NJ 08852, USA