



Specification

Bromelain from pineapple stem *BioChemica*

A1548

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|------------------------------|--|
| Physical Description: | Solid |
| Product Code: | A1548 |
| Product Name: | Bromelain from pineapple stem <i>BioChemica</i> |
| Specifications: | Assay: ~0.5 DMC-U/mg |
| Hazard pictograms |   |
| WGK: | 1 |
| Storage: | 2-8°C |
| Signal Word: | Danger |
| GHS Symbols: | GHS07 GHS08 |
| H Phrases: | H315 H319 H334 H335 |
| P Phrases: | P261 P284 P305+P351+P338 P342+P311 P405 P501 |
| M: | approx. 33000 g/mol |
| CAS: | 37189-34-7 |
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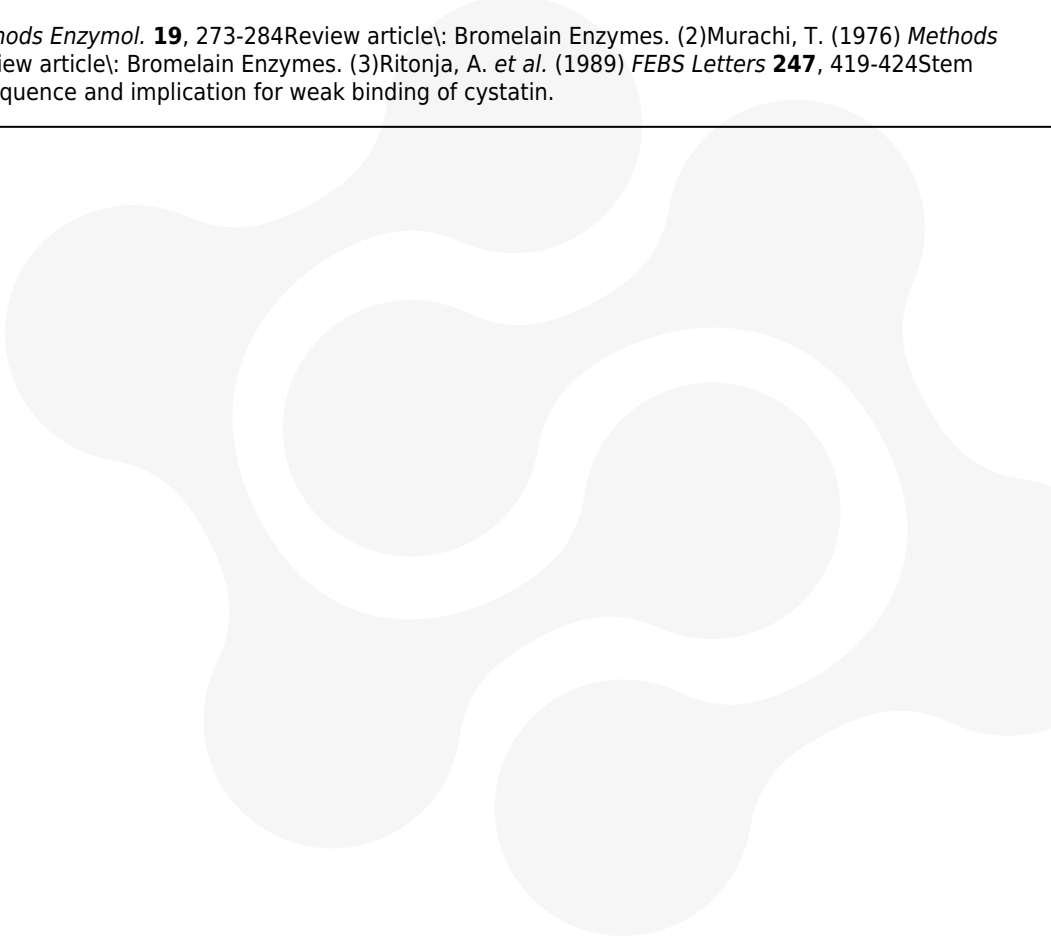
AppliChem GmbH

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|---|--------------|
| EINECS: | 232-575-4 |
| CS: | 35079090 |
| Index Nr.: | 647-005-00-X |
| <p>Comment</p> <p>Bromelain from pineapple stem belongs to the papain superfamily of cysteine proteases. Unit definition: 1 DMC-U catalyses the cleavage of 1 µmol of peptides bound to Dimethylcasein per minute at 25°C, pH 7.0, while new terminal amino groups are formed. Activity in different units: 1200 GDU units/g (1 GDU unit releases the same quantity of 1 mg amino nitrogen from gelatin within 20 minutes at 45°C, pH 4.5). 1 DMC-U corresponds to 1200 GDU/g.</p> | |
| <p>Bibliography</p> <p>(1)Murachi, T. (1970) <i>Methods Enzymol.</i> 19, 273-284Review article\: Bromelain Enzymes. (2)Murachi, T. (1976) <i>Methods Enzymol.</i> 45, 475-485Review article\: Bromelain Enzymes. (3)Ritonja, A. et al. (1989) <i>FEBS Letters</i> 247, 419-424Stem Bromelain\: Amino acid sequence and implication for weak binding of cystatin.</p> | |
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