# Data Sheet (Cat.No.T19529)

TargetMol

## Proteinase

### Chemical Properties

CAS No. : 9001-92-7

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Proteinase

### Biological Description

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|---|---|
| Description | Proteinases are enzymes that catalyse the breakdown of proteins. Proteinases are involved in many biological functions, including the digestion of ingested proteins, the breakdown of old proteins, and cell signalling. They also facilitate the formation of new protein products. |
| Targets(IC50) | Others |
| In vitro | Low concentrations of Proteinase caused a small amount of dimerization of alpha 1I3, but no difference in inhibition or receptor binding was detected between purified dimers or monomers. Kininogen domains of 22 and 64 kDa were allowed to react with alpha 1I3- or alpha 2M-bound papain to probe the accessibility of the active site of this Proteinase.[1] |

### Solubility Information

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|---|---|
| Solubility | DMSO: 18 mg/mL,Sonication is recommended.<br>H2O: 45 mg/mL,Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |

Reference


Enghild JJ, et al. Proteinase binding and inhibition by the monomeric alpha-macroglobulin rat alpha 1-inhibitor-3. J Biol Chem. 1989;264(19):11428-11435.

ELLIOTT SD. The crystallization and serological differentiation of a streptococcal proteinase and its precursor. J Exp Med. 1950;92(3):201-218.





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