

Chymostatin

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| Cat. No.: | HY-P3042 |
| CAS No.: | 9076-44-2 |
| Target: | Cathepsin |
| Pathway: | Metabolic Enzyme/Protease |
| Storage: | Sealed storage, away from moisture |
| | Powder -80°C 2 years |
| | -20°C 1 year |

* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

Chymostatin

SOLVENT & SOLUBILITY

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| In Vitro | DMSO : 50 mg/mL (Need ultrasonic) |
| In Vivo | <ol style="list-style-type: none">1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: \geq 2.5 mg/mL (Infinity mM); Clear solution2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (Infinity mM); Suspended solution; Need ultrasonic3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: \geq 2.5 mg/mL (Infinity mM); Clear solution |

BIOLOGICAL ACTIVITY

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| Description | Chymostatin is a potent cathepsin G inhibitor. Chymostatin inhibits fungal growth when combined with other pepsin inhibitors. Chymostatin can be used for acute lung injury and pancreatitis research ^[1] . |
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REFERENCES

[1]. Chen Yang, et al. Protective Effects of Chymostatin on Paraquat-Induced Acute Lung Injury in Mice. Inflammation

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

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