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## Product Datasheet

### Chymostatin, CAS [[9076-44-2]] FBM-10-2722

Article Name	Chymostatin, CAS [[9076-44-2]]
Biozol Catalog Number	FBM-10-2722
Supplier Catalog Number	10-2722
Alternative Catalog Number	FBM-10-2722-5MG, FBM-10-2722-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Chymotrypsin-like serine protease inhibitor...
Molecular Weight	605.00 (average)
Purity	96% by TLC NMR (Conforms)
Form	White or off-white solid
CAS Number	[9076-44-2]
Formula	C <sub>31</sub> H <sub>41</sub> N <sub>7</sub> O <sub>6</sub>
Application Notes	A potent, competitive, slow-binding inhibitor of alpha-, beta-, gamma-, delta-chymotrypsin, papain and cathepsins B/G (chymotrypsin-like serine proteases) <sup>1</sup> , K <sub>i</sub> =9.36 and 13.1 nM for chymotrypsin and chymase <sup>2</sup> . Cathepsin G K <sub>i</sub> =0.15 μM. <sup>3</sup> Consists of a mixture of type A (L-Leu), B (L-Val) and C (L-Ile) forms. <sup>1</sup> Decreases plasma and tissue levels of angiotensin II without lowering mean blood pressure in a hypertensive rat model. <sup>4</sup> Commonly used in lysis buffers to prevent degradation of proteins. Typical working concentration is 6-60 μg/ml.