



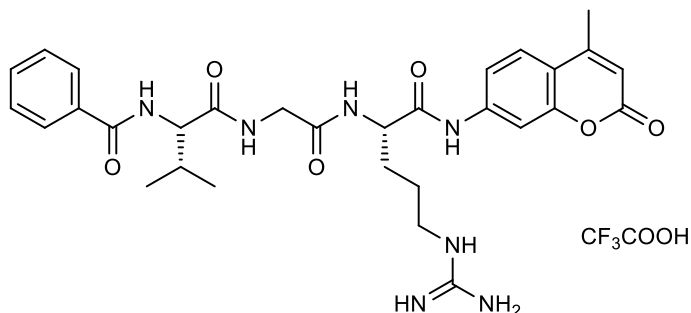
Catalog # 10-2969

Bz-Val-Gly-Arg-AMC

87779-49-5

Benzoyl-Val-Gly-Arg-(7-amido-4-methylcoumarin)

Lot # X101729



Bz-VGR-AMC may be used for measuring the trypsin-like activity of the 20S proteasome, in combination with Suc-LLVY-AMC, (for assaying its chymotrypsin-like activity) and Z-LLE-AMC, (for determining its PGPH activity). Fluorogenic substrate. Ex.: 380nm Em.: 460nm.

- 1) Gillardon *et al.* (2007), *The 20s proteasome isolated from Alzheimer's disease brain shows post-translational modifications but unchanged proteolytic activity*; J. Neurochem., **101** 1483
- 2) Kim *et al.* (2002), *Navigation inside a protease: substrate selection and product exit in tricorn protease from Thermoplasma acidophilum*; J. Mol. Biol., **324** 1041
- 3) Dahlmann *et al.* (2000), *Different proteasome subtypes in a single tissue exhibit different enzymatic properties*; J. Mol. Biol., **303** 643
- 4) Lightcap *et al.* (2000), *Proteasome inhibition measurements: clinical application*; Clin. Chem., **46** 673

PHYSICAL DATA

Molecular Weight:	705.70
Molecular Formula:	$\text{C}_{30}\text{H}_{37}\text{N}_7\text{O}_6 \cdot \text{CF}_3\text{COOH}$
Purity:	98% by HPLC
	NMR: (Conforms)
Solubility:	DMSO
Physical Description:	White solid
Storage and Stability:	Store as supplied desiccated at -20°C for up to 2 years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 1 month.

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