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## Product Datasheet

### Carfilzomib FBM-10-1477

Article Name	Carfilzomib
Biozol Catalog Number	FBM-10-1477
Supplier Catalog Number	10-1477
Alternative Catalog Number	FBM-10-1477-5MG,FBM-10-1477-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Proteasome inhibitor...
Molecular Weight	719.93
Purity	98% by TLC, NMR (Conforms)
Form	White solid
CAS Number	[868540-17-4]
Formula	C40H57N5O7
Application Notes	A potent and irreversible proteasome inhibitor. <sup>1</sup> Synthetic analog of the microbial product epoxomicin. <sup>2</sup> Compared to bortezomib it displays equal potency but greater selectivity for the chymotrypsin-like activity of the proteasome. In cell culture it is more cytotoxic than bortezomib and hematologic tumor cells exhibit greater sensitivity than solid tumor cells. Treatment of cells with carfilzomib results in the accumulation of proteasome substrates and induction of cell cycle arrest and/or apoptosis. <sup>3</sup> Effective against multiple myeloma. <sup>4</sup> Active in vivo.