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Product Datasheet

POB FBM-10-4553

Article Name	POB
Biozol Catalog Number	FBM-10-4553
Supplier Catalog Number	10-4553
Alternative Catalog Number	FBM-10-4553-10MG,FBM-10-4553-50MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Ornithine decarboxylase inhibitor...
Molecular Weight	397.47
Purity	98% by HPLC, NMR (Confirms)
Form	White solid
CAS Number	[946135-39-3]
Formula	C19H31N3O6
Application Notes	<p>Pyridoxal 5-phosphate - dependent ornithine decarboxylase (ODC) is a key enzyme involved in polyamine synthesis and a potential cancer drug target. POB is a transition state-based, cell permeable pro-drug inhibitor of ODC. Intracellularly, POB is phosphorylated by pyridoxal kinase and the methyl ester hydrolyzed. This active inhibitor most likely binds apo-ODC resulting in greatly reduced ODC activity and inhibition of cellular proliferation. POB was able to inhibit proliferation in a wide variety of tumor cell lines: LN229 (IC50 = 50 μM), Jurkat, COS7, SW2 and both high and low-grade glioblastoma multiforme. More potent than DFMO.</p>