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## Product Datasheet

**POB**  
**FBM-10-4553**

Artikelname	POB
Artikelnummer	FBM-10-4553
Hersteller Artikelnummer	10-4553
Alternativnummer	FBM-10-4553-10MG,FBM-10-4553-50MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Ornithine decarboxylase inhibitor...
Molekulargewicht	397.47
Reinheit	98% by HPLC, NMR (Confirms)
Formulierung	White solid
CAS Nummer	[946135-39-3]
Formel	C19H31N3O6
Anwendungsbeschreibung	<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 <math>\mu</math>M), Jurkat, COS7, SW2 and both high and low-grade glioblastoma multiforme. More potent than DFMO.</p>