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Product Datasheet

gamma-L-Glutamyl-p-nitroanilide HCl, CAS [[67953-08-6]] FBM-10-4568

Article Name	gamma-L-Glutamyl-p-nitroanilide HCl, CAS [[67953-08-6]]
Biozol Catalog Number	FBM-10-4568
Supplier Catalog Number	10-4568
Alternative Catalog Number	FBM-10-4568-100MG,FBM-10-4568-250MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	L-glutamine uptake inhibitor and gamma-glutamyl transpeptidase substrate...
Molecular Weight	303.70
Purity	98%
Form	Off-white solid
CAS Number	[67953-08-6]
Formula	C11H13N3O5 HCl
Application Notes	L-gamma-Glutamyl-p-nitroanilide (GPNA) is a substrate for gamma-glutamyl transpeptidase. GPNA is used for the determination of gamma-glutamyl transpeptidase hydrolytic activity via spectrophotometric monitoring of p-nitroaniline released by the action of the enzyme on GPNA. ¹ GPNA has also been shown to be an inhibitor of glutamine uptake - solute-linked carrier family A1 member 5 (SLC1A5) ² Cellular uptake of L-glutamine (regulated by SLC1A5) is a rate-limiting step that activates mTOR and is, thus, an interesting cancer chemotherapy target. ³