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## Product Datasheet

### KY-226, CAS [[1621673-53-7]] FBM-10-4004

Article Name	KY-226, CAS [[1621673-53-7]]
Biozol Catalog Number	FBM-10-4004
Supplier Catalog Number	10-4004
Alternative Catalog Number	FBM-10-4004-5MG, FBM-10-4004-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	PTP1B inhibitor...
Molecular Weight	481.67
Purity	>98% TLC
Form	Off-white solid
CAS Number	[1621673-53-7]
Formula	C27H31NO3S2
Application Notes	<p>KY-226 is a selective allosteric protein tyrosine phosphatase 1B (PTP1B) inhibitor (IC<sub>50</sub> = 250 nM) with no activity at PPARgamma.1 It significantly reduced plasma glucose, triglyceride, and A1c levels without weight gain in db/db mice.2 It has been suggested that KY-226s anti-diabetic effects occur via enhancements in insulin signaling and anti-obesity effects via leptin signaling enhancements.2 KY-226 has also been shown to protect neurons from cerebral ischemia.3 This effect is mediated by restoration of tight junction proteins via activation of the Akt/FoxO1 pathway.4</p>