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## Product Datasheet

### LM22A-4, CAS [[37988-18-4]] FBM-10-1405

Article Name	LM22A-4, CAS [[37988-18-4]]
Biozol Catalog Number	FBM-10-1405
Supplier Catalog Number	10-1405
Alternative Catalog Number	FBM-10-1405-5MG,FBM-10-1405-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	TrkB agonist...
Molecular Weight	339.35
Purity	98% by TLC, NMR (Conforms)
Form	White solid
CAS Number	[37988-18-4]
Formula	C15H21N3O6
Application Notes	Small molecule BDNF mimetic displaying neurotrophhic activity. Partial agonist at TRKB and activates TRKB signaling. In in vitro models of neurodegenerative disease, it prevented neuronal degeneration with equal efficacy to that of BDNF. After in vivo administraton, it caused hippocampal and striatal TrkB activation in mice and improved motor learning after traumatic brain injury in rats <sup>1</sup> . Improves respiratory function in a mouse models of Rett syndrome <sup>2</sup> .