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## Product Datasheet

### XIB4035, CAS [[10023-54-8]] FBM-10-1486

Article Name	XIB4035, CAS [[10023-54-8]]
Biozol Catalog Number	FBM-10-1486
Supplier Catalog Number	10-1486
Alternative Catalog Number	FBM-10-1486-5MG, FBM-10-1486-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	GFRalpha1 agonist...
Molecular Weight	750.45
Purity	98% by TLC, NMR (Conforms)
Form	Light brown solid
CAS Number	[10023-54-8]
Formula	C <sub>26</sub> H <sub>31</sub> Cl <sub>2</sub> N <sub>3</sub> 3(H <sub>3</sub> PO <sub>4</sub> )
Application Notes	<p>A novel small molecule thought to be an agonist at the glial cell line-derived neurotrophic factor (GDNF) family receptor alpha-1 GFRalpha-1. It inhibits radiolabeled GDNF binding in Neuro-2A cells in a concentration dependent manner IC<sub>50</sub>=10.4 µM. Like GDNF, it induced Ret autophosphorylation and promoted neurite outgrowth in Neuro-2A cells<sup>1</sup>. Recent studies indicate that it enhances GFRalpha family receptor signaling in conjunction with ligand stimulation. Effective treatment for small-fiber neuropathy in mouse models of the disease.<sup>2,3</sup> GDNF agonists may be a new class of Parkinsons disease therapeutics.<sup>4</sup></p>